

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 20, 2004, 10:17:02 ; Search time 53 Seconds
(without alignments)

5720.451 Million cell updates/sec

Title: US-09-378-759-11

Perfect score: 5116

Sequence: 1 LLAAVEETLMDSTTATAEGL.....ILNSIQVRAQMNIQSVEV 970

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1295356 seqs, 312560742 residues

Total number of hits satisfying chosen parameters: 1285356

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubpaa/PTCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5092	99.5	1055	16	US-10-648-593-139
2	5082.5	99.3	987	15	US-10-295-027-1193
3	4950.5	96.8	995	12	US-10-029-020-62
4	3914.5	76.5	984	12	US-10-029-020-60
5	3641.5	71.2	998	15	US-10-295-027-1183
6	3632.5	71.0	998	14	US-10-354-358-4
7	3632.5	71.0	1007	12	US-10-276-774-2273
8	3590.5	70.2	993	14	US-10-187-958-1
9	3579.5	70.0	896	16	US-10-408-765A-2942
10	3060.5	59.8	985	12	US-10-029-020-61
11	3031	59.2	953	14	US-10-412-277-7
12	3031	59.2	991	10	US-09-823-187-44
13	3026.5	59.2	993	10	US-09-823-187-39
14	3026.5	59.2	993	10	US-09-823-187-41
15	3024	59.1	1104	9	US-09-982-610-36

16	3016	59.0	998	10	US-09-823-187-40	Sequence 40, Appl
17	3014	58.9	975	14	US-10-412-277-8	Sequence 8, Appl
18	3014	58.9	1037	14	US-10-315-124-3	Sequence 3, Appl
19	3014	58.9	1037	15	US-10-353-650-40	Sequence 40, Appl
20	3001	58.7	998	10	US-09-823-187-42	Sequence 42, Appl
21	3001	58.7	998	10	US-09-823-187-43	Sequence 43, Appl
22	2918.5	57.0	983	9	US-09-771-161A-227	Sequence 227, App
23	2918.5	57.0	983	12	US-10-029-020-59	Sequence 59, Appl
24	2918.5	57.0	983	14	US-10-205-823-97	Sequence 97, Appl
25	2918.5	57.0	983	14	US-10-345-680-2	Sequence 2, Appl
26	2918.5	57.0	983	15	US-10-295-027-602	Sequence 602, App
27	2914	57.0	968	14	US-10-412-277-6	Sequence 6, Appl
28	2904	56.8	1005	12	US-10-029-020-63	Sequence 21, Appl
29	2840	55.5	1036	12	US-10-220-955-21	Sequence 23, Appl
30	2837	55.5	1036	12	US-09-971-708-2	Sequence 104, App
31	2837	55.5	1036	12	US-10-245-752-104	Sequence 104, App
32	2837	55.5	1036	12	US-10-245-859-104	Sequence 104, App
33	2837	55.5	1036	14	US-10-245-107-104	Sequence 104, App
34	2837	55.5	1036	14	US-10-245-143-104	Sequence 104, App
35	2837	55.5	1036	14	US-10-245-771-104	Sequence 104, App
36	2837	55.5	1036	14	US-10-245-851-104	Sequence 104, App
37	2837	55.5	1036	14	US-10-245-883-104	Sequence 104, App
38	2837	55.5	1036	14	US-10-237-535-104	Sequence 104, App
39	2837	55.5	1036	14	US-10-238-183-104	Sequence 104, App
40	2837	55.5	1036	14	US-10-238-283-104	Sequence 104, App
41	2837	55.5	1036	14	US-10-238-370-104	Sequence 104, App
42	2837	55.5	1036	14	US-10-245-055-104	Sequence 104, App
43	2837	55.5	1036	14	US-10-245-147-104	Sequence 104, App
44	2837	55.5	1036	14	US-10-245-730-104	Sequence 104, App
45	2837	55.5	1036	14	US-10-245-730-104	Sequence 104, App

ALIGNMENTS

RESULT 1

US-10-648-593-139
; Sequence 139, Application US/10648593
; Publication No. US20040106132A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT
; INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
; TITLE OF INVENTION: INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS

; FILE REFERENCE: D0273 NP

; CURRENT APPLICATION NUMBER: US/10648,593

; CURRENT FILING DATE: 2003-08-26

; PRIOR APPLICATION NUMBER: 60/406,385

; PRIOR FILING DATE: 2002-08-27

; NUMBER OF SEQ ID NOS: 557

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 139

; LENGTH: 1055

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-648-593-139

Query Match	99.5%	Score	5092	DB	16	Length	1055
Best Local Similarity	99.6%	Pred. No.	0				
Matches	967	Conservative	1	Mismatches	1	Indels	2
Gaps	1						
QY	1	LLAAVEETLMDSTTATAEGL	WMVHPPPSGWEVSGVDENNMNTRITYQVCNVFESSQNNWLR	60			
Db	15	LLAAVEETLMDSTTATAEGL	WMVHPPPSGWEVSGVDENNMNTRITYQVCNVFESSQNNWLR	74			
QY	61	TKFTRRGAHRIHVMKFSVDCSIP	SPVPGSKCTFNLYYYEADFDSATKTFPNWENP	120			
Db	75	TKFTRRGAHRIHVMKFSVDCSIP	SPVPGSKCTFNLYYYEADFDSATKTFPNWENP	134			
QY	121	VWKVDTIAADSFSDVIGGRV	KMKINTVRSGFVLAQDYGCNLSIAVRVY	180			
Db	135	VWKVDTIAADSFSDVIGGRV	KMKINTVRSGFVLAQDYGCNLSIAVRVY	194			

181 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGR 240
195 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGR 254
241 MCKAGFAVNGTVCRGCPSTGTFKANQDGAETHCPINSRTTSEGATNCVCRNGYVADL 300
255 MCKAGFAVNGTVCRGCPSTGTFKANQDGAETHCPINSRTTSEGATNCVCRNGYVADL 314
301 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 360
315 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 374
361 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPFQFASVNTTNOA 420
375 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPFQFASVNTTNOA 434
421 APSAVSIMHQVSRVTSITLSWSQDQPNQNGVILDYELQYKELSEYNATAIKSPNTVT 480
435 APSAVSIMHQVSRVTSITLSWSQDQPNQNGVILDYELQYKELSEYNATAIKSPNTVT 494
481 --GLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 538
495 VOGLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 554
539 LIAVWVIAVNCNRGRPERADSEYTDKLOHYTSGHITPGMKIYIDPPTYEDPNEAVREFAK 598
555 LIAVWVIAVNCNRGRPERADSEYTDKLOHYTSGHITPGMKIYIDPPTYEDPNEAVREFAK 614
599 EIDISCVKIEQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASTM 658
615 EIDISCVKIEQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASTM 674
659 GQPDHNVHLEGVTKSTPVMIIIFEMENGSLDSFLRQNDQFTVIQVGLMGLRGAAGM 718
675 GQPDHNVHLEGVTKSTPVMIIIFEMENGSLDSFLRQNDQFTVIQVGLMGLRGAAGM 734
719 KYLADWVYVHRDLAARNILVNSLCKVDFGLSRFLEDDTSDPTYTSALGKGFIRWTA 778
735 KYLADWVYVHRDLAARNILVNSLCKVDFGLSRFLEDDTSDPTYTSALGKGFIRWTA 794
779 PEAIQYRKFTSASDVMSYGVIMVWVMSYGERPYWDMTNDQVINAIEQDYRLPPPMDCPSA 838
795 PEAIQYRKFTSASDVMSYGVIMVWVMSYGERPYWDMTNDQVINAIEQDYRLPPPMDCPSA 854
839 LHQLMDCWCKDRNHRPKQGVWTLDMKIRNPNSLKAMAPLSSGINPLDRTTIPDYS 898
855 LHQLMDCWCKDRNHRPKQGVWTLDMKIRNPNSLKAMAPLSSGINPLDRTTIPDYS 914
899 FNTVDEWLEBAIKVGOYKESFANAGTSPFDVVSQMMWEDILRVGVTLAGHOKILNSIQVM 958
915 FNTVDEWLEBAIKVGOYKESFANAGTSPFDVVSQMMWEDILRVGVTLAGHOKILNSIQVM 974
959 RAQMNIQISVE 969
975 RAQMNIQISVE 985

RESULT 2

US-10-295-027-1193
; Sequence 1193, Application US/10295027

; Publication No. US2003023250A1

; GENERAL INFORMATION:

; APPLICANT: Afar, Daniel

; APPLICANT: Aziz, Natasha

; APPLICANT: Ginsberg, Wendy M.

; APPLICANT: Gish, Kurt C.

; APPLICANT: Glynn, Richard

; APPLICANT: Hevezi, Peter A.

; APPLICANT: Mack, David H.

; APPLICANT: Murray, Richard

; APPLICANT: Watson, Susan R.

; APPLICANT: Eos Biotechnology, Inc.

; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and

; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer

; FILE REFERENCE: 018501-012500US

; CURRENT APPLICATION NUMBER: US/10/295,027

; CURRENT FILING DATE: 2002-11-13

; PRIOR APPLICATION NUMBER: US 09/663,733

; PRIOR FILING DATE: 2000-09-15

; PRIOR APPLICATION NUMBER: US 60/350,666

; PRIOR FILING DATE: 2001-11-13

; PRIOR APPLICATION NUMBER: US 60/335,394

; PRIOR FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: US 60/332,464

; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: US 60/334,393

; PRIOR FILING DATE: 2001-11-29

; PRIOR APPLICATION NUMBER: US 60/340,376

; PRIOR FILING DATE: 2001-12-14

; PRIOR APPLICATION NUMBER: US 60/347,211

; PRIOR FILING DATE: 2002-01-08

; PRIOR APPLICATION NUMBER: US 60/347,349

; PRIOR FILING DATE: 2002-01-10

; PRIOR APPLICATION NUMBER: US 60/355,250

; PRIOR FILING DATE: 2002-02-08

; PRIOR APPLICATION NUMBER: US 60/356,714

; PRIOR FILING DATE: 2002-02-13

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1386

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1193

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-295-027-1193

Query Match

Best Local Similarity 99.3%; Score 5082.5; DB 15; Length 987;

Best Conservative 99.4%; Pred. No. 0;

Matches 967; Conservative 2; Mismatches 1; Indels 3; Gaps 2;

Qy 1 LLAABEETLMDSTTATAELGVMVHPSPSGWEEVSGYDENMNTIRTYQVNVFSSQNNWLR 60

Db 15 LLAABEETLMDSTTATAELGVMVHPSPSGWEEVSGYDENMNTIRTYQVNVFSSQNNWLR 74

Qy 61 TKRIRRGARHRIHVENKFSVRDCSSITPSVPGSKETFNLYIYEADPDSATKTFPNWMEP 120

Db 75 TKRIRRGARHRIHVENKFSVRDCSSITPSVPGSKETFNLYIYEADPDSATKTFPNWMEP 134

Qy 121 WKVVDITIAADESFQVDLGGVRVWKINTEVRSFGPVSRSGFYLAQDYGGCMLIAVRVY 180

Db 135 WKVVDITIAADESFQVDLGGVRVWKINTEVRSFGPVSRSGFYLAQDYGGCMLIAVRVY 194

Qy 181 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGR 240

Db 195 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGR 254

Qy 241 MCKAGFAVNGTVCRGCPSTGTFKANQDGAETHCPINSRTTSEGATNCVCRNGYVADL 300

Db 255 MCKAGFAVNGTVCRGCPSTGTFKANQDGAETHCPINSRTTSEGATNCVCRNGYVADL 314

Qy 301 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 360

Db 315 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 374

Qy 361 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPFQFASVNTTNOA 420

Db 375 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPFQFASVNTTNOA 434

Qy 421 APSAVSIMHQVSRVTSITLSWSQDQPNQNGVILDYELQYKELSEYNATAIKSPNTVT 480

Db 435 APSAVSIMHQVSRVTSITLSWSQDQPNQNGVILDYELQYKELSEYNATAIKSPNTVT 494

Qy 481 --GLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 538

Db 495 VOGLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 554

QY 539 LIAVVVIAVCN-RRGPERADSEYTDKLOHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 597
DB 555 LIAVVVIAVCNRRRGPERADSEYTDKLOHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 614
QY 598 KEIDISCVKIEQVIGAGBFGVCSGHLKLPKGRBIFVAIKTLKSGYTEKORRDFLSEASI 657
DB 615 KEIDISCVKIEQVIGAGBFGVCSGHLKLPKGRBIFVAIKTLKSGYTEKORRDFLSEASI 674
QY 658 MGQFDHPNVHLEGVVTKSTPMIITEPMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 717
DB 675 MGQFDHPNVHLEGVVTKSTPMIITEPMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 734
QY 718 MKYLDAMNYVHRDLAARNILVNSNLVCKVDFGLSRFLEDDTSDPTTYSALGGKPIRWT 777
DB 735 MKYLDAMNYVHRDLAARNILVNSNLVCKVDFGLSRFLEDDTSDPTTYSALGGKPIRWT 794
QY 778 APEAIQYRKFTSASDVMSYGIWMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDCPS 837
DB 795 APEAIQYRKFTSASDVMSYGIWMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDCPS 854
QY 838 ALHQMLDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPILDTIPDYT 897
DB 855 ALHQMLDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPILDTIPDYT 914
QY 898 SFNTVDEWLEAIKMGQYKESFANAGFTGFDVVSQMMEDILRVGTLVLAGHOKKILNSIQV 957
DB 915 SFNTVDEWLEAIKMGQYKESFANAGFTGFDVVSQMMEDILRVGTLVLAGHOKKILNSIQV 974
QY 958 MRAQMNQIQSVEV 970
DB 975 MRAQMNQIQSVEV 987

RESULT 3

US-10-029-020-62

; Sequence 62, Application US/10029020
; Publication No. US20040033971A1

; GENERAL INFORMATION:

; APPLICANT: Gangolli et al.

; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same

; FILE REFERENCE: 21402-225

; CURRENT APPLICATION NUMBER: US/10/029,020

; CURRENT FILING DATE: 2001-12-19

; PRIOR APPLICATION NUMBER: 60/256,704

; PRIOR FILING DATE: 2000-12-19

; PRIOR APPLICATION NUMBER: 60/311,590

; PRIOR FILING DATE: 2001-08-10

; PRIOR APPLICATION NUMBER: 60/257,314

; PRIOR FILING DATE: 2000-12-20

; PRIOR APPLICATION NUMBER: 60/311,613

; PRIOR FILING DATE: 2001-08-10

; PRIOR APPLICATION NUMBER: 60/315,617

; PRIOR FILING DATE: 2001-08-29

; PRIOR APPLICATION NUMBER: 60/307,506

; PRIOR FILING DATE: 2001-07-24

; PRIOR APPLICATION NUMBER: 60/322,358

; PRIOR FILING DATE: 2001-09-14

; PRIOR APPLICATION NUMBER: 60/294,075

; PRIOR FILING DATE: 2001-05-29

; PRIOR APPLICATION NUMBER: 60/288,153

; PRIOR FILING DATE: 2001-05-02

; NUMBER OF SEQ ID NOS: 190

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 62

; LENGTH: 995

; TYPE: PRT

; ORGANISM: Gallus gallus

US-10-029-020-62

Query Match 96.8%; Score 4950.5; DB 12; Length 995;

* Best Local Similarity 95.6%; Pred. No. 0;

Matches 930; Conservative% 28; Mismatches 12; Indels 3; Gaps 2;

RESULT 4

US-10-029-020-60

; Sequence 60, Application US/10029020

; Publication No. US20040033971A1

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DB 23 LIAAEEETLMDSTTATAELGMMVHPSPSGWEEVSGYDENMNTTIRTYQVCNVPSSQNMLR 82
QY 61 TKPIRRRGARRIHVEMKFSVRDCSSIPSPVSGCKTFFNLYYYEADPDSATKTPFNWMP 120
DB 83 TKYIRRRGARRIHVEMKFSVRDCSSIPNVPVSGCKTFFNLYYYEADPDSATKTPFNWMP 142
QY 121 WKVVDITIAADESFQVLDLGRVMKNTVRSFGPVSRSGFYLAFOQYDYGCMSLIAVRVY 180
DB 143 WKVVDITIAADESFQVLDLGRVMKNTVRSFGPVSRSGFYLAFOQYDYGCMSLIAVRVY 202
QY 181 RKCPRIQNGAIPQETLSGAESTSLVAARGSCIANAEVVDVPKLYCNGDGEWLVPIGR 240
DB 203 RKCPRIQNGAIPQETLSGAESTSLVAARGSCIANAEVVDVPKLYCNGDGEWLVPIGR 262
QY 241 MCXAGBEAVENGTVCGCPGSGTFKANOQDEACTHCPIINSRTTSEGATNCVCRNGYRADL 300
DB 263 MCRPGYESVENGTVCRCPSGTFKASQDGGCVCHCPIINSRTTSEGATNCVCRNGYRADL 322
QY 301 DPLDMPCTTIPSAPOAVISSVNETSLMLEWTPPRDSGREDLVYNIICKSCSGRGACTR 360
DB 323 DPVDMPTTIPSAPOAVISSVNETSLMLEWTPPRDSGREDLVYNIICKSCSGRGACTR 382
QY 361 CGDNVQAPRQLGLTEPRYIISDLAHTQYTFBIQAVNGVTDOSPSPQFASVNIITNQA 420
DB 383 CGDNVQAPRQLGLTEPRYIISDLAHTQYTFBIQAVNGVTDOSPSPQFASVNIITNQA 442
QY 421 APSAVSTMHVQSVRTVDSITLSWSQPOPNVGVLDYELQYVEKSELSEYNATAIKSPNTVT 480
DB 443 APSAVSTMHVQSVRTVDSITLSWSQPOPNVGVLDYELQYVEKSELSEYNATAIKSPNTVT 502
QY 481 --GLKAGAIYVFOVRARTVAGYGRYSGKMYFQMTAEAYQTSVQEKPLPLIGSAAGLVF 538
DB 503 VQNLKAGTIYVFOVRARTVAGYGRYSGKMYFQMTAEAYQTSVQEKPLPLIGSAAGLVF 562
QY 539 LIAVVVIAVCN-RRGPERADSEYTDKLOHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 597
DB 563 LIAVVVIAVCNRRRGPERADSEYTDKLOHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 622
QY 598 KEIDISCVKIEQVIGAGBFGVCSGHLKLPKGRBIFVAIKTLKSGYTEKORRDFLSEASI 657
DB 623 KEIDISCVKIEQVIGAGBFGVCSGHLKLPKGRBIFVAIKTLKSGYTEKORRDFLSEASI 682
QY 658 MGQFDHPNVHLEGVVTKSTPMIITEPMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 717
DB 683 MGQFDHPNVHLEGVVTKSTPMIITEPMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 742
QY 718 MKYLDAMNYVHRDLAARNILVNSNLVCKVDFGLSRFLEDDTSDPTTYSALGGKPIRWT 777
DB 743 MKYLDAMNYVHRDLAARNILVNSNLVCKVDFGLSRFLEDDTSDPTTYSALGGKPIRWT 802
QY 778 APEAIQYRKFTSASDVMSYGIWMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDCPS 837
DB 803 APEAIQYRKFTSASDVMSYGIWMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDCPS 862
QY 838 ALHQMLDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPILDTIPDYT 897
DB 863 ALHQMLDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPILDTIPDYT 922
QY 898 SFNTVDEWLEAIKMGQYKESFANAGFTGFDVVSQMMEDILRVGTLVLAGHOKKILNSIQV 957
DB 923 SFNTVDEWLEAIKMGQYKESFANAGFTGFDVVSQMMEDILRVGTLVLAGHOKKILNSIQV 982
QY 958 MRAQMNQIQSVEV 970
DB 983 MRAQMNQIQSVEV 995

GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/10/029,020
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 60
; LENGTH: 984
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-029-020-60

Query Match 76.5%; Score 3914.5; DB 12; Length 984;
Best Local Similarity 74.0%; Pred. No. 4.8e-285;
Matches 717; Conservative 128; Mismatches 121; Indels 3; Gaps 2;
QY 2 LAAVEETLMDSTTATAEGLMWHPPSGVEEVSIGYDENMTITRTYQVCNVFESSQNNMLRT 61
DB 15 VAAMEETLMDTATAEGLMWHPPSGVEEVSIGYDENMTITRTYQVCNVFESSQNNMLRT 74
QY 62 KTIIRRGARHIVHMKFSDVDCSSIPVSGCKETFNLYYEADFDSDATKTPPNWMPW 121
DB 75 TFINRGARHIVHMKFSDVDCSSIPVSGCKETFNLYYEADFDSDATKTPPNWMPW 134
QY 122 VKVDTIADESPQVDLGGVWKINTEVRSFGVRSRSGFYLAPODYGCMSLIAVRYR 181
DB 135 LKVDTIADESPQVDLGGVWKINTEVRSFGVRSRSGFYLAPODYGCMSLIAVRYR 194
QY 182 KCPRIQNGAIFQETLSGAESTSLVAARGSCIANAEEDVDVPIKLYCNGDGEWLPVIGRCM 241
DB 195 KCPVIVQNFVAFPEMTWGAESTSLVARGTCIPNAEEDVDVPIKLYCNGDGEWLPVIGRCM 254
QY 242 CKAGEAENVGVCGPSTGKANKQDEACTHCIPNIRTSSEGNATNCVNGYVYRADLD 301
DB 255 CKAGEP-ENSVACKACAGTGFASQEAEGCHSCPSNRSPSEASPICTCTGTGYRADFD 313
QY 302 PLDMPTTIPSAQAVISVNSITSLMLBWTTPRDSGGREDLVNIIKSCSGSGGACTRC 361
DB 314 PPEVACTSVPSGPRNVISVNSITSLMLBWTTPRDSGGREDLVNIIKSCSGSGGACTRC 373
QY 362 GNVQYARQLGTBPRYISDLAHTQYTFEIQAVNGVTPQSPFSPFASVNTTNOAA 421
DB 374 DNVEFVRQLGLTSCRYSISLWHTPTTFDIAINGVSSKSPFPQHVSVNTTNOAA 433
QY 422 PSAVIMHGVSTVDSITLSQSPQDPNGVILDVLOQYKELSEYNATAIKSPNT--V 479
DB 434 PSTVIMHGVSTVDSITLSQSPQDPNGVILDVLOQYKELSEYNATAIKSPNT--V 493
QY 480 TGLKAGIYVQVARTVAGYRGYSGKMYFOTMTEAEYQTSIQBKPLIIGSSAAGLVFL 539
DB 494 DGLREGMYVYVQVARTVAGYRGYSGKMYFOTMTEAEYQTSIQBKPLIIGSSAAGLVFL 553
QY 540 IAVVVIACVNRGRPERADSEYTDQLQHYTSGHITPGMKIYIDFTYEDPNEAVREFAKE 599

Db 554 VSLVAISIVCSRKRAYSKAEVYSDKLOHYSTGRSGPMKIYIDFTYEDPNEAVREFAKE 613
QY 600 IDISCVKIEQVIGAGEFGEVCSGHLKLPKREIEFAIKLKGYTEKORDDFLSEASIMG 659
Db 614 IDVSFVKIEEVIGAGEFGEVCSGHLKLPKREIEFAIKLKGYTEKORDDFLSEASIMG 673
QY 660 QFDHPNVHLGCVTKSTPVMITTEFWENGSLDSFLRQNDGQFTVIOLVGMLRGIAAGMK 719
Db 674 QFDHPNIIIRLEGVTKSRPVMITTEFWENGSLDSFLRQNDGQFTVIOLVGMLRGIAAGMK 733
QY 720 YLADWNVVHRDLAARNILVNSNLVCKYSDGLSRFLDDTSDPTYSALGCKPPIWTAP 779
Db 734 YLSEWNVVHRDLAARNILVNSNLVCKYSDGLSRFLDDTSDPTYSALGCKPPIWTAP 793
QY 780 EAIQYRFTSASDVMSYGIWVWVMSYGERPYDMTNQDVINAIEQDYRLPPMDCPAL 839
Db 794 EAIYRFTSASDVMSYGIWVWVMSYGERPYDMTNQDVINAIEQDYRLPPMDCPAL 853
QY 840 HOLMLDCWQDRNHRPKFGOIVNTLDMKIRNPNSLKAMAPLSSGINLPLDRTIPYTSF 899
Db 854 HOLMLDCWQDRNHRPKFGOIVNTLDMKIRNPNSLKAMAPLSSGINLPLDRTIPYTSF 913
QY 900 NTVDENLEAIKMGQYKESFANAGTSTFSDVVSQMMEDILRVGVTLAGHQKILNSIQVMR 959
Db 914 TTVDENLEAIKMGQYKESFANAGTSTFSDVVSQMMEDILRVGVTLAGHQKILNSIQVMR 973
QY 960 AQNMQIOSV 968
Db 974 VQNMQSPSV 982
RESULT 5
US-10-295-027-1183
; Sequence 1183, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevez, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.

124 VDTIAADESFSQVLDGGRVVKINTEVPSFGPVSRSGFYLAPODYGGCMSLIAVVRPKC 183
157 VDTIAPDESFRDAG---RVNTKVSFGPLSKAGFYLAPODQACMSLISVRAFYK 212
184 PRIIQTGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGELVPIGRCK 243
213 ASTTAGFALPETLTGAETSLVATGTCIPNAVEVSPLKLYCNGDGEMVPGACTCA 272
244 AGFAVENGVTCRCPSGTTFKANGDEACTHCINRSTTSEGATNCVCRNGYVRADLPL 303
273 TGHEPAAKESQCRPCPPGSKYKAGQEGCLPCPNRSTTSPAASICTCHNNFYRADSDSA 332
304 DMPCTTIPSAQAVISSVNETSLMLEWTPRDSGGREDLVNIIKSC--GSGRGACTRC 361
333 DSACTTVPSPPRGVSNVNETSLILEWSEPRDLGVDRDLLVNYICKCHGAGSACSR 392
362 GDNVOYAPROLGLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFSPQASVNIITNOAA 421
393 DDNVEFVPRQLGSEPRVHTSHLLAHTRYTFEIOAVNGVSGKSPLPRTAAVNIITNOAA 452
422 PSASVIMHOVSRTVDSITLSWSOPDOPNGVILDYELQYKEKSEYNATAIKSPNTV-- 479
453 PSEVPTLRHSSGSSSLTSLWAPERPNGVILDYEMKIFEK--SEGIASTVTSQMSVOL 510
480 TGLKAGAIYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 538
511 DGLRPDARYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 570
539 LIAVWVIAIYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 598
571 VVAVVIAIYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 626
599 EIDISCVKIBQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKQRRDFLSEASIM 658
627 EIDVSCVKIEVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKQRRDFLSEASIM 686
659 GQFDHPNVHLEGVTKSTPVMIIITFEMENGLSDSLFRQNDGQFTVQLVGMRLGIAAGM 718
687 GQFDHPNIIRLEGVTKSRPVMIIITFEMENGLSDSLFRQNDGQFTVQLVGMRLGIAAGM 746
719 KYLADNMVYHVRDLAARNILVSNLVCKVSDFGLSRLEDDTSDPTVTSALGKGFIRWTA 778
747 KYLSEMMYVHVRDLAARNILVSNLVCKVSDFGLSRLEDDTSDPTVTSALGKGFIRWTA 806
779 PEAIQYRKFTSASDVMSYGIWMVMSYGERPVMWMSQMMEDILRVGVTLAGHQKILNSIQVM 838
807 PEAIYRKFTSASDVMSYGIWMVMSYGERPVMWMSQMMEDILRVGVTLAGHQKILNSIQVM 866
839 LHQMLDCWQKORNRHPRKFGQIVNTLDKMRPNLSIKAMAPLSSGINLPDLRTTIDYTS 898
867 LHQMLDCWVRDRNLPRKFSQIVNTLDKMRPNLSIKAMAPLSSGINLPDLRTTIDYTS 926
899 FNTVDWELBAIKGQYKESFANAGFTSFDVMSQMMEDILRVGVTLAGHQKILNSIQVM 958
927 FTTVGWDLAIKMGYKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHQKILNSIQVM 986
959 RAQMNIQSVEV 970
987 RLQMNQTLVPQV 998

RESULT 7

US-10-276-774-2273
; Sequence 2273, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276, 774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560, 875

; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496, 914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 2273
; LENGTH: 1007
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-2273

Query Match 71.0%; Score 3632.5; DB 12; Length 1007;
Best Local Similarity 70.5%; Pred. No. 7.7e-264;

Matches 685; Conservative 114; Mismatches 158; Indels 15; Gaps 6;

QY 4 AVEETLMDSTTATAELGMMVHPSPGWEVSGYDENMNTIRTYQVCNVFESSQNNWLRTKF 63
DB 46 ALEETLMDTKWVTSSELANTSHPSGWEVSGYDEAMNPIRTYQVCNVRESSQNNWLRTGF 105
QY 64 IRRRGARHRIHVEMKFSYRDCSSIPSPVSGCKETFNLYYYEADPSATKTFPNNMENPWK 123
DB 106 IWRDQVRVVELKFTVRDCNSIPNIPGCKETFNLFYYEADSDVASASFFWNNENPYVK 165
QY 124 VDTIAADESFSQVLDGGRVVKINTEVPSFGPVSRSGFYLAPODYGGCMSLIAVVRPKC 183
DB 166 VDTIAPDESFRDAG---RVNTKVSFGPLSKAGFYLAPODQACMSLISVRAFYK 221
QY 184 PRIIQTGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGELVPIGRCK 243
DB 222 ASTTAGFALPETLTGAETSLVATGTCIPNAVEVSPLKLYCNGDGEMVPGACTCA 281
QY 244 AGFAVENGVTCRCPSGTTFKANGDEACTHCINRSTTSEGATNCVCRNGYVRADLPL 303
DB 282 TGHEPAAKESQCRPCPPGSKYKAGQEGCLPCPNRSTTSPAASICTCHNNFYRADSDSA 341
QY 304 DMPCTTIPSAQAVISSVNETSLMLEWTPRDSGGREDLVNIIKSC--GSGRGACTRC 361
DB 342 DSACTTVPSPPRGVSNVNETSLILEWSEPRDLGVDRDLLVNYICKCHGAGSACSR 401
QY 362 GDNVOYAPROLGLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFSPQASVNIITNOAA 421
DB 402 DDNVEFVPRQLGSEPRVHTSHLLAHTRYTFEIOAVNGVSGKSPLPRTAAVNIITNOAA 461
QY 422 PSASVIMHOVSRTVDSITLSWSOPDOPNGVILDYELQYKEKSEYNATAIKSPNTV-- 479
DB 462 PSEVPTLRHSSGSSSLTSLWAPERPNGVILDYEMKIFEK--SEGIASTVTSQMSVOL 519
QY 480 TGLKAGAIYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 538
DB 520 DGLRPDARYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 579
QY 539 LIAVWVIAIYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 598
DB 580 VVAVVIAIYVQVARTVAGYGRYSGMYFOQMTTE--AEYQTSIQEKLPIIIGSSAAGLVF 635
QY 599 EIDISCVKIBQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKQRRDFLSEASIM 658
DB 636 EIDVSCVKIEVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKQRRDFLSEASIM 695
QY 659 GQFDHPNVHLEGVTKSTPVMIIITFEMENGLSDSLFRQNDGQFTVQLVGMRLGIAAGM 718
DB 696 GQFDHPNIIRLEGVTKSRPVMIIITFEMENGLSDSLFRQNDGQFTVQLVGMRLGIAAGM 755
QY 719 KYLADNMVYHVRDLAARNILVSNLVCKVSDFGLSRLEDDTSDPTVTSALGKGFIRWTA 778
DB 756 KYLSEMMYVHVRDLAARNILVSNLVCKVSDFGLSRLEDDTSDPTVTSALGKGFIRWTA 815
QY 779 PEAIQYRKFTSASDVMSYGIWMVMSYGERPVMWMSQMMEDILRVGVTLAGHQKILNSIQVM 838
DB 816 PEAIYRKFTSASDVMSYGIWMVMSYGERPVMWMSQMMEDILRVGVTLAGHQKILNSIQVM 875
QY 839 LHQMLDCWQKORNRHPRKFGQIVNTLDKMRPNLSIKAMAPLSSGINLPDLRTTIDYTS 898


```

; APPLICANT: Faby, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2942
; LENGTH: 896
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-2942

Query Match          70.0%; Score 3579.5; DB 16; Length 896;
Best Local Similarity 73.4%; Pred. No. 6.3e-260;
Matches 654; Conservative 123; Mismatches 111; Indels 3; Gaps 2;

QY 76 MKFSVDCSSIPVSGCKETNLYYYEADPDSATKTFNNWENPVKVDTTAADESFQ 135
DB 1 MRFTECSSLNPNVSGCKETNLYYYETDVTATKSAFWSEAPYLKVDTTAADESFQ 60
QY 136 VDLGGRVMKINTEVRSGFVSRSGFYLAFODYGCMSLIAVRVFKCPRITQNGAIFOE 195
DB 61 VDFGRLMKVNTVRSFGPLTRNGFYLAQDYGACNSLSVRVFKCPSIVQNFVPE 120
QY 196 TLGSAESTLSVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRMCCKAGFAVENGTVC 255
DB 121 TMTCAESTLSVARGTCIPNAEVDVPIKLYCNGDGEWLVPIGRCTCKPGYEP-ENS 179
QY 256 RGCPSGTFRKANQDEACTHCPINSRTTSGATNCVCRCNGYYEADLPDMPCTTIPSA 315
DB 180 KACPAGTFRASQAECSHCPSNSRSPASPICTCTGYRADPPEVACTISVPSGR 239
QY 316 AVTSVNSETSLMLWTTPRDSGREDLVNIIKSCGSGRGACTRCGDNVQVAPRLGLT 375
DB 240 NVISIVNETSILMEHPRETGRDDVTYNIICKCRADRRCSRCDDNVEVPRLGLT 299
QY 376 EPRIVISDLAHTQYTFEIQAVNGVTDOSPSPQASVNITTNQAPSAVSIMHOVSRTV 435
DB 300 ECRVSISSLWAHTPYTFDQAINGVSSKSPFPQHVSVNITTNQAPSTVPIMHOVSATM 359
QY 436 DSITLSWSQDPQNGVILDYELQYKEKSELSEYNATAIKSPNT--VTGLKAGAIYVFOVR 493
DB 360 RSITLSWPQEQNGIILDYELQYKEKSELSEYNATAIKSPNT--VTGLKAGAIYVFOVR 419
QY 494 ARTVAGYGRYSGMYFOTMTEAYQTSIOEKLPLIGSSAAGLVLLIAVVAIVCNRRG 553
DB 420 ARTVAGYGRYSGMYFOTMTEAYQTSIOEKLPLIGSSAAGLVLLIAVVAIVCNRRG 479
QY 554 FERADSEYDKLQHYTSGHITPMKIYIDPFYEDPNEAVREFAKEIDISCKVBOVIGA 613
DB 480 AYSKEAVYDKLQHYTSGHITPMKIYIDPFYEDPNEAVREFAKEIDISCKVBOVIGA 539
QY 614 GFEGEVCSGHLKLPGRKEIFVAIKLKGTYEKQRDRDFLSEASINGQDHPNVIHLEGV 673
DB 540 GFEGEVYGRKLPGRKEIFVAIKLKGTYEKQRDRDFLSEASINGQDHPNVIHLEGV 599
QY 674 TKSTPVMIIITEFWENGSLDSFLQRNDGQFTVQLVGMRLGIAAGMKYLADNYYVHRDLAA 733
DB 600 TKSRPVMIIITEFWENGSLDSFLQRNDGQFTVQLVGMRLGIAAGMKYLADNYYVHRDLAA 659
QY 734 RNILVNSLVCKVDFGLSRFLDDTSDPTYSALGKGFPIRWTAPEAIQYKFTTSASDV 793
DB 660 RNILVNSLVCKVDFGLSRFLDDTSDPTYSALGKGFPIRWTAPEAIQYKFTTSASDV 719
QY 794 WSYGIWMEVMSYGRPYWMDTNQDVINAIEODYELPPEMDCPSALHOLMDCWKQRNH 853
DB 720 WSYGIWMEVMSYGRPYWMDTNQDVINAIEODYELPPEMDCPSALHOLMDCWKQRNH 779
QY 854 RPKFGQIVNTLDKMRNPNSLKAMAPLSSGGINLPLDRTTIPDYTSFNTVDEWLEAIXGQ 913
DB 780 RPRFAEIVNTLDKMRNPNSLKAMAPLSSGGINLPLDRTTIPDYTSFNTVDEWLEAIXGQ 839
QY 914 YKESFANAGFTSFVVSOMMEDILRVGVTLAGHOKKILANSIQVRAQMNQ 964
DB 840 YRDSFLTAGFTSLQLVQMTSEDLIRIGITLAGHOKKILANSIQVRAQMNQ 890

RESULT 10
US-10-029-020-61
; Sequence 61, Application US/10029020
; Publication No. US20040033971A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/10/029,020
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 61
; LENGTH: 985
; TYPE: PRT
; ORGANISM: Xenopus laevis
; US-10-029-020-61

Query Match          59.8%; Score 3060.5; DB 12; Length 985;
Best Local Similarity 59.8%; Pred. No. 7.3e-221;
Matches 579; Conservative 149; Mismatches 219; Indels 21; Gaps 10;

QY 4 AVBETLMDSTTAABIGLWVHP-PSGWEVSGVDENMTIRTYQVCNVFESSQNWLRTK 62
DB 28 ASEVTLDSRSVQGLGWIATPLSGGWEVSIIMDEKNTPIRTYQVCNVMESSQNWLRTD 87
QY 63 FERRGARRHIVEMKESVRDCSIPSPVSGCKETNLYYYEADPDSATKTFNNWENPV 122
DB 88 WIPRGAQRVYBIKTLRDCNLSLPGVMGTCKETFNLYYESNNDKERTI----RETQV 143
QY 123 KVDTTAADESFSQVDLGGVMKINTEVRSGFVSRSGFYLAFODYGCMSLIAVRVFKR 182
DB 144 KIDTTAADESFTQVDIGDRIMKINTEVRDVGPLSKGKGYLAFOVGCIALVSVRVFKK 203
QY 183 CPRIIONGAIFQETLSGAESTLSVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRMC 242
DB 204 CPTVRLNLAQFPPTTIGSDTSSLVVRGSCVDNSEKVP-KMYCGADGEWLVPIGNCLC 262
QY 243 KAGFEAVNGTVCRCGPGSGTFRKANQDEACTHCPINSRTTSGATNCVCRCNGYYRADLP 302
DB 263 NAGFEHHNGG--CQACKVGYKALSTDAACSKCPHYSYALREGSISCTCDRGYFRADTDP 320
QY 303 LDMPCITISAFQAVLSSVNETSLMLEWTPPRDSGREDLVNIIKSCGSGRGACTRCG 362
DB 303 LDMPCITISAFQAVLSSVNETSLMLEWTPPRDSGREDLVNIIKSCGSGRGACTRCG 362
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Db 321 ASMPCTPPAPQNLISNVNETSIVNLEWSPQNGGPRDVSYNLVCKRCGSLDTRCSPG 380
 QY 363 DNVQYAPRLQLTEPRIYISDLAHTQYTEIOAVNGVTDQSPSPQFASVNTTNQAP 422
 Db 381 SGVHYSQOGLKTKTUSINDLQHTNYFEVWAINGVSKQPEQDQAVSVVTTNQAP 440
 QY 423 SAVSIMQVQRTVDSITLSQDQDQNGVLDVYELQYKEKELSEYNATAIKSPYNT -VT 480
 Db 441 STVTOIQKEITRHSVSLTPEPERANGVILEYEVKYEKQDQERSYRIVKTSASADIK 500
 QY 481 GLKAGALYFQVQARTVAGYGRYSGKMYFOTMTEAEVQTSIQEKLPLIIGSSAAGLAFIL 540
 Db 501 GLNPLTGVFHVARTAGYGFSGPEFTTNTVPSPMIG -EGTSFTVLLVSVASIVLV 559
 QY 541 AVVIAIVCNRR -GFERADSEYTDKLQHTYSGHITFGMKIYIDPPTYEDPNEAVREFAK 598
 Db 560 VILIAAFVIRRRRSKYSKAKQEADEE-----KHLNQGVKTYVDPTTYEDPQAVREFAK 613
 QY 599 BIDISCVKIBOVIGAGFGVCSGHLKPGKRIIFVAIKTLKSGYTEKORRDFLSEASIM 658
 Db 614 EIDASCIKIEKVIGVGEFGEVCSGRLKVPKRIIYVAIKTLKAGYTDKORRDFLSEASIM 673
 QY 659 GQFHPNVHLEGVVTKSTPMIITEPMENGSLDSFLRQNDGQFTVIQVGLMRLGIAQM 718
 Db 674 GQFHPNIIHLEGVVTCKPMTIITEPMENGSLDAFLRKNDRGFTVIQVGLMRLGTGSM 733
 QY 719 KYLADMNVHRDLAARNILVNSLVCKVSPDGLSRFLEDDTSDPTVTSALGCKEPIRNTA 778
 Db 734 KYLSDMSYVHRDLAARNILVNSLVCKVSPDGLSRFLEDD -PEAAVTR -GGKIPIRNTA 791
 QY 779 PEATQYKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIBQDYRLPPPPDCPSA 838
 Db 792 PEALAYKFTSASDVMSYGIWMEVMSYGERPYWDMNSQVKAIBEGYRLPPPPDCPTA 851
 QY 839 LHQLMLCWOKDRNHRKFGQIVNTLDMKIRNPNLSLKAMAPLSSGINLPLDRTIPDXTS 896
 Db 852 LHQLMLCWOKDRSDRPFQIVSMLDKLRNPNLSLKRTGLENSRNTALLDPSPEWSQ 911
 QY 899 FNTVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLAGHOKKILNSIQM 958
 Db 912 VASVLDWLOASKWKRYKDNFTAAGYTSLEAVHVHVNQDDLTRIGISSPSQNKILSVQGM 971
 QY 959 RAOMNQIQ 966
 Db 972 RTQLQMQQ 979

RESULT 11

US-10-412-277-7
 ; Sequence 7, Application US/10412277
 ; Publication No. US20030175791A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GUEGLER, Karl et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; FILE REFERENCE: CLO01067DIV
 ; CURRENT APPLICATION NUMBER: US/10/412,277
 ; CURRENT FILING DATE: 2003-04-14
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 7
 ; LENGTH: 953
 ; TYPE: PRT
 ; ORGANISM: Human
 US-10-412-277-7

Query Match 59.2%; Score 3031; DB 14; Length 953;

Best Local Similarity 59.1%; Pred. No. 1.2e-218; Mismatches 216; Indels 14; Gaps 10;

Matches 567; Conservative 163; Mismatches 216; Indels 14; Gaps 10;

QY 6 EETLMDSTTAEELGMVHPFSGWEEVSGYDENANTIRTYQVCNVPESSQNLRTKFR 65

Db 3 EVALLDSRTVMGDLGWIAFPKNGWEEIGVEDENYAPIHTYQVCKVMEQNNWLLTSMIS 62
 QY 66 RRGARHRIHVMKFSVRDCSSISVPSCSKETNLVYYEADPDSATKTPNNMMENPWKVD 125
 Db 63 NEGASRIFELKFTLDDCNLSLPGGLGTCETFMWYFFESDDQGR---NIKENQYIKID 118
 QY 126 TIAADESFSDVLDGGVWKMINTEVRSFGVPVSRSGFYLAPODYGGCMSLIANVFRYKCPK 185
 Db 119 TIAADESFTELDUGDGVWKMINTEVROVGPLSKGKGYLAPODYGACIALVSVRYVYKCPK 178
 QY 186 IIQNGALFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGGEMLVPIGRCMCKAG 245
 Db 179 VVZHLAVFPTTIGADSSQLLEVSQCV-NHVSVTDEPPKMHCSAGEWLVPIGKCMCKAG 237
 QY 246 FRAVENGTVCRCGCEPSTFKANQDEACTHCPINSRTTSGATNCVCRNGYVRAADLDLDM 305
 Db 238 YEE-KNGT-CQVCRPGFFKASPHIOSCGKCPSPHSYTHEASTSCVCEKDYFRESDDPTM 295
 QY 306 PCTTISAPQAVLSSVNETSLMLEPTPRDSGGRDLVNIICKSCGSGRGAECTCGDNV 365
 Db 296 ACTRPSAPRNALSNVNETSVLEWIPPADTGRKDVSYIAKCKNSHAGVCECGGHV 355
 QY 366 QYAPRQLGLTEPRIYISDLAHTQYTEIOAVNGVTDQSPSPQFASVNTTNQAPSAV 425
 Db 356 RYLPROGLKNTSVMMVMDLAHTNYTFEIAVNGVSDLSGPGARQYVSVNVTTNQAPSPV 415
 QY 426 SIMHOVSRTVDSITLSWSDOPDQNGVILQYELQYKEKELSEYNATAIKSPYNT -GLK 483
 Db 416 TNVKGKIAKNSLSLWQPDRENGILLEYIKHEKD-QEYSYIIIKSKETIITAEGLK 474
 QY 484 AGAIYVQVARTVAGYGRYSGKMYFOTMTEAEYOTSIOEKLPLIIGSSAAGLVFLIAV 543
 Db 475 PASVYVQIRARTAAAGYVFSRRFEPET-TPVFAASSDQSQIPVIAVSVTVGVLLAVVI 533
 QY 544 VIAIVCNRGFERADSEYTDKLQHTYSGHIT -TPGMKIYIDPPTYEDPNEAVREFAKEIDI 602
 Db 534 GVLLSGRCYSGAKQDPEEKHFNHGHILKPGVRYTIDPPTYEDPNOAVHEFAKEIEA 593
 QY 603 SCVKIEQVIGAGFGVCSGHLKPGKRIIFVAIKTLKSGYTEKORRDFLSEASIMGQPD 662
 Db 594 SCITIERVIGAGFGVCSGRLKPGKRIIFVAIKTLKSGYTEKORRDFLSEASIMGQPD 653
 QY 663 HPNVHLEGVVTKSTPMIITEPMENGSLDSFLRQNDGQFTVIQVGLMRLGIAAGKYL 722
 Db 654 HPNIIHLEGVVTKSPMIVTEPMENGSLDTFLKNDGQFTVIQVGLMRLGISAGKYL 713
 QY 723 DMNVHRDLAARNILVNSLVCKVSPDGLSRFLEDDTSDPTVTSALGCKEPIRWTAPSAI 782
 Db 714 DMGVHRDLAARNILVNSLVCKVSPDGLSRFLEDD -PEAAVTR -GGKIPIRWTAPSAI 771
 QY 783 QYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIBQDYRLPPMDPCPSALHOL 842
 Db 772 AFRKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIBQDYRLPPMDPCPSALHOL 831
 QY 843 MLDQWQDRNHRKFGQIVNTLDMKIRNPNLSLKAMAPLSSGINLPLDRTIPDXTS 902
 Db 832 MLDQWQKERNRKPDEIVNMLDKLRNPNLSLKTLVNASCRVSNLIAHSPGLSGAYRSV 891
 QY 903 DEWLEAIKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLAGHOKKILNSIQVBAQM 962
 Db 892 GEWLEAIKMGRYTEIFENWGSMDAVAQVTLDEURRLGVTLVGHQKILNSIQVBAQM 951

RESULT 12

US-09-823-187-44
 ; Sequence 44, Application US/09823187
 ; Publication No. US20030096952A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Burgess, Catherine
 ; APPLICANT: Gusev, Vladimir Y
 ; APPLICANT: Liu, Xiaohong
 ; APPLICANT: Majumder, Kumud
 ; APPLICANT: Padigaru, Muralidhar

APPLICANT: Patturajan, Meera
APPLICANT: Shimkets, Richard A
APPLICANT: Spaderna, Steven K
APPLICANT: Spytek, Kimberly
APPLICANT: Taupier, Raymond J
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 15966-745
CURRENT APPLICATION NUMBER: US/09/823,187
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/193,339
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/193,205
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/195,343
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: 60/195,088
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,005
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,792
PRIOR FILING DATE: 2000-04-10
PRIOR APPLICATION NUMBER: 60/196,556
PRIOR FILING DATE: 2000-04-11
PRIOR APPLICATION NUMBER: 60/197,081
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 60/197,525
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/197,087
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 103
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 44
LENGTH: 991
TYPE: PRT
ORGANISM: Homo sapiens
US-09-823-187-44

Query Match 59.2%; Score 3031; DB 10; Length 991;
Best Local Similarity 59.1%; Pred. No. 1.2e-218;
Matches 567; Conservative 163; Mismatches 216; Indels 14; Gaps 10;

QY 6 BETLMDSTTAEAGVWHPSPGWEVSGVDENMTIRYQVNCVPESSNNLTKTIR 65
DB 36 EVNLDERTVGDGUGNIAFPANGWEEIGEDVNAFIHIYQVCKVNEQNWLITSMIS 95
QY 66 RRGARHIVEMKFSVRDCSSIPVSGCKETPNLYYYEADFDPSATKTFPNWMPVKVD 125
DB 96 NEGASRIFIELKFLTRDCNSLPGLGTCKETFNMYFESDQNGR----NIKENQYKID 151
QY 126 TIADESPFSDVLDGRYWKINTEVRSFGVSRSGFYLAQDYGGCMSLIAVEVYKCPR 185
DB 152 TIADESFTELDGRWKLNTEVRDVGPKKGGFYLAQDVGACALVSVRYVYKCPKPS 211
QY 186 IIQNGAIFQETLSGAESTSLVARGSCIANAEVDVPIKLYCNGDGEWLPVIGRCWCKAG 245
DB 212 VVRLHAFVDPDITGADSSQLLEVSQCV-NHSVTDEPPRMHCSAEGEWLVPIGKWCXAG 270
QY 246 FEAVNGTVCRGCPGSGFKANQDEACTHCPINSRTTSGATNCVCRNGYVYVADIDPDLDM 305
DB 271 YEE-KNGT-CQVCRPGFKASPHIQSCGKCPHSYTHEASVCVCEKDYFRESDDPTM 328
QY 306 PCTTIPSAQAVISSVNETSLMLEWTPRDSGGREDLVNIIKSCSGRGACTRCGDNV 365
DB 329 ACTRPPSAPRNAISNNVETSVLEWTPPADTGRKDVSVYIACKKNSHAGVCEBCCGHV 388
QY 366 QYAPROLGLTEPRVYISDLAHTQYTFEIQAVNGVTDQSPFPOFASVNTITNOAPNAV 425
DB 389 RYLRQSGLKNKTSVMVDDLAHNYTFEIAVNGVSDLSFGARQYVSVNVTITNOAPSPV 448
QY 426 SIMHGVSRVDSITLSWSQPDQNGVILDYELQYXKELSEYNATAIKSPVNTVT--GLK 483
DB 449 TNVKKGIKANSISLSWQEPDRNGIILEYIKHFKED-QETSYTIKSKETTITAEGLK 507

QY 484 AGAIYVQVRARTVAGYGRYSGMYFQMTAEAYOTSIOEKLPLLIIGSSAAGLVFLIAV 543
DB 508 PASVYVQIRARTAAAGYGVFSRPFET-TPFAASSDSQIPVIAVSVTVGVILLAVVI 566
QY 544 VIAVNCRRGFRADSEYTDKLOHTVSGHI-TPGMKIYIDFTYEDPNEAVREFAKEIDI 602
DB 567 GVLLSRRGCGYKAKQDPEEEMHFNHGHILKLPGVRTYIDPHTYEDPNQAVHEFAKIEA 626
QY 603 SCVKIEOVIGAGBFGEVCSGHILKPKKREIFVAITKLSGYTEKORRDFLSEASIMQGF 662
DB 627 SCITIERVIGAGBFGEVCSGRILKPKKRELPAITKLVGYTEKORRDFLSEASIMQGF 686
QY 663 HPNVHLEGVYTKSTPVMITTEFMENGSLDSFLRNDQGFVVIQVGLMRLGIAAGMYLA 722
DB 687 HPNIHLEGVYTKSKPVMIVTEYMEGSLDTPKKNDGQFTVIQVGLMRLGISAQMYLS 746
QY 723 DMNVYHRDLAARNILVNSNLVKVSDFGLSRFLDSDTPTVTSALGGKFFIRWTAPEAI 782
DB 747 DMGYVHRDLAARNILVNSNLVKVSDFGLSRFLDSD-PEAAVYTR-GGKIFIRWTAPEAI 804
QY 783 QYKFTSASDVMSYGIWMVMSYGERPYWDMTNQDVINAIEQDYRLPPMDCCPSALHQL 842
DB 805 AFRKFTSASDVMSYGIWMVMSYGERPYWDMTNQDVIXAVEEGYRLPSPMDCCPSAALYQL 864
QY 843 MLDGWOKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINPLDRTTIPDVTSENV 902
DB 865 MLDGWOKERNRPKFEDEIVNMLDKLIRPSSLKTIVNASCRVSNLLAHSPLSGAYRSV 924
QY 903 DEWLEAIKMGQYKESFANAGFTSFVVSQMMMEDILRVGVTLAGHKKILNSIQVMAQRM 962
DB 925 GEWLEAIKMGRYTEIFMENGYSYMDAVAQVTLERLGLVTLVGHQKIMNSIQEMKVQL 984

RESULT 13
US-09-823-187-39
Sequence 39, Application US/09823187
Publication No. US20030096952A1
GENERAL INFORMATION:
APPLICANT: Burgess, Catherine
APPLICANT: Gusev, Vladimir Y
APPLICANT: Liu, Xiaohong
APPLICANT: Majumder, Kumud
APPLICANT: Padigara, Muralidhar
APPLICANT: Patturajan, Meera
APPLICANT: Shimkets, Richard A
APPLICANT: Spaderna, Steven K
APPLICANT: Spytek, Kimberly
APPLICANT: Taupier, Raymond J
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 15966-745
CURRENT APPLICATION NUMBER: US/09/823,187
CURRENT FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/193,339
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/193,205
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/195,343
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: 60/195,088
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,005
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,792
PRIOR FILING DATE: 2000-04-10
PRIOR APPLICATION NUMBER: 60/196,556
PRIOR FILING DATE: 2000-04-11
PRIOR APPLICATION NUMBER: 60/197,081
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 60/197,525
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/197,087
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 103

QY 242 CKAGFEAVENGTVCGCPSTFKANQDEACTHCPINSTRITSGATNCVCRNGYVRAADLD 301
Db 243 CKAGFEAVENGTVCGCPSTFKANQDEACTHCPINSTRITSGATNCVCRNGYVRAADLD 301
QY 244 CKAGFEAVENGTVCGCPSTFKANQDEACTHCPINSTRITSGATNCVCRNGYVRAADLD 301
Db 245 CKAGFEAVENGTVCGCPSTFKANQDEACTHCPINSTRITSGATNCVCRNGYVRAADLD 301
QY 302 FLDMFCTTIPAPQAVISSVNETSLMLETWPPRDSGGREDLVNIIICKSGSGRGACTRC 361
Db 303 FLDMFCTTIPAPQAVISSVNETSLMLETWPPRDSGGREDLVNIIICKSGSGRGACTRC 361
QY 323 PPVACTRPPAPQAVISSVNETSLMLETWPPRDSGGREDLVNIIICKSGSGRGACTRC 361
Db 324 PPVACTRPPAPQAVISSVNETSLMLETWPPRDSGGREDLVNIIICKSGSGRGACTRC 361
QY 362 GDNVOYAPROGLTEPRIYISDLAHTQYTFEQAUNGVTDQSPFPQASVNIITNQAA 421
Db 363 GDNVOYAPROGLTEPRIYISDLAHTQYTFEQAUNGVTDQSPFPQASVNIITNQAA 421
QY 383 GSNIGTMCQGLVDNIVYVMDLHAHANYTFEVAUNGVSDLSRSLFAAVSITGQAA 442
Db 384 GSNIGTMCQGLVDNIVYVMDLHAHANYTFEVAUNGVSDLSRSLFAAVSITGQAA 442
QY 422 PSVSIHQVSRVTSITLSWSQPDQNGVILDYLOYYEKELSE--YNATAIKSPNTV 479
Db 423 PSVSIHQVSRVTSITLSWSQPDQNGVILDYLOYYEKELSE--YNATAIKSPNTV 479
QY 443 PSQVSGVMKERVLSQVSELSQEPHPNGVITEYIKYKQDQRTYSTVTKSTAS 502
Db 444 PSQVSGVMKERVLSQVSELSQEPHPNGVITEYIKYKQDQRTYSTVTKSTAS 502
QY 480 TGLKAGAIYVQVARTVAGYGRYSGKMYFQTMTEAEYQTSIQEKLPL-LIIGS----- 531
Db 481 TGLKAGAIYVQVARTVAGYGRYSGKMYFQTMTEAEYQTSIQEKLPL-LIIGS----- 531
QY 503 NNLKPGTVYVQIRAFKTAAGYNTSPRLDVATLEETATAVSSEQNPVITIAVAVAGTI 562
Db 504 NNLKPGTVYVQIRAFKTAAGYNTSPRLDVATLEETATAVSSEQNPVITIAVAVAGTI 562
QY 538 FLIAVAVIAIVCNR--GFERADSEYTDKQHYTSGHITPGMKIYIDPFYEDPNEAVREF 596
Db 539 FLIAVAVIAIVCNR--GFERADSEYTDKQHYTSGHITPGMKIYIDPFYEDPNEAVREF 596
QY 563 ILVFMVFGFIIGRHCGYSKADQSGDELYFHK--FPGTKYIDPETYEDPNRAVHQF 619
Db 564 ILVFMVFGFIIGRHCGYSKADQSGDELYFHK--FPGTKYIDPETYEDPNRAVHQF 619
QY 597 AKETDISCVKIEOVIGAGEFECVCSHLKLPKREIFVAIKTLKSGYTEKQRDRPSEAS 656
Db 598 AKETDISCVKIEOVIGAGEFECVCSHLKLPKREIFVAIKTLKSGYTEKQRDRPSEAS 656
QY 620 AKELDASCICKIERVIGAGEFECVCSHLKLPKREIFVAIKTLKSGYTEKQRDRPSEAS 679
Db 621 AKELDASCICKIERVIGAGEFECVCSHLKLPKREIFVAIKTLKSGYTEKQRDRPSEAS 679
QY 657 IMGQFDHNVIAHLEGVVTKSTPVNIIIFEFMENGSLDSFLRQNDQGTFTVLQVGLRGIAA 716
Db 658 IMGQFDHNVIAHLEGVVTKSTPVNIIIFEFMENGSLDSFLRQNDQGTFTVLQVGLRGIAA 716
QY 680 IMGQFDHNVIAHLEGVVTKSTPVNIIIFEFMENGSLDSFLRQNDQGTFTVLQVGLRGIAA 739
Db 681 IMGQFDHNVIAHLEGVVTKSTPVNIIIFEFMENGSLDSFLRQNDQGTFTVLQVGLRGIAA 739
QY 717 GMYLADNMYVHRDLAARNILVNSLVCKYSDGLSRFLDEDDTSDTYTSAIGKPPTRW 776
Db 718 GMYLADNMYVHRDLAARNILVNSLVCKYSDGLSRFLDEDDTSDTYTSAIGKPPTRW 776
QY 740 GMYLADNMYVHRDLAARNILVNSLVCKYSDGLSRFLDEDDTSDTYTSAIGKPPTRW 797
Db 741 GMYLADNMYVHRDLAARNILVNSLVCKYSDGLSRFLDEDDTSDTYTSAIGKPPTRW 797
QY 777 TAPAIQYRKFTSASDVMSYGVIMVWYSGYGERPYDMTNDQVINAIEQYRLPPMDCP 836
Db 778 TAPAIQYRKFTSASDVMSYGVIMVWYSGYGERPYDMTNDQVINAIEQYRLPPMDCP 836
QY 798 TAPAIQYRKFTSASDVMSYGVIMVWYSGYGERPYDMTNDQVINAIEQYRLPPMDCP 857
Db 799 TAPAIQYRKFTSASDVMSYGVIMVWYSGYGERPYDMTNDQVINAIEQYRLPPMDCP 857
QY 837 SALHQLMDCQKDRNRPFGQIVNTLDKMINPNSLKAMAPLSSGINLPILDRITPDY 896
Db 838 SALHQLMDCQKDRNRPFGQIVNTLDKMINPNSLKAMAPLSSGINLPILDRITPDY 896
QY 868 AGHQLMDCQKDRNRPFGQIVNTLDKMINPNSLKAMAPLSSGINLPILDRITPDY 917
Db 869 AGHQLMDCQKDRNRPFGQIVNTLDKMINPNSLKAMAPLSSGINLPILDRITPDY 917
QY 897 TSFNTVDEWLEAIKMGQYKESFANAGFTSPDVVSQMMEDILRVGVTLGAGHOKKILNSIQ 956
Db 898 TSFNTVDEWLEAIKMGQYKESFANAGFTSPDVVSQMMEDILRVGVTLGAGHOKKILNSIQ 956
QY 918 TTFCSVGEWLQAIKVERYKDNFTAGYNSLESVARMTIEDVMSLGITLVGHQKIMSSIQ 977
Db 919 TTFCSVGEWLQAIKVERYKDNFTAGYNSLESVARMTIEDVMSLGITLVGHQKIMSSIQ 977
QY 957 VMRAQM 962
Db 958 VMRAQM 962
QY 978 TMRAQM 983
Db 979 TMRAQM 983

RESULT 15

US-09-982-610-36

Sequence 36, Application US/09982610

Patent No. US20020146420A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

Bennett, Brian D.

Goeddel, David

Lee, James M.

Matthews, William

Tsai, Siao Ping

Wood, William I.

TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST ANTIBODIES

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/982,610

FILING DATE: 17-Oct-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/446,648

FILING DATE: 1996-MAY-23

APPLICATION NUMBER: 08/222616

FILING DATE: 04-APR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0821P3PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 1104 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 36:

US-09-982-610-36

Query Match 59.1%; Score 3024; DB 9; Length 1104;

Best Local Similarity 59.3%; Pred. No. 4,8e-218; Indels 42; Gaps 13;

Matches 580; Conservative 141; Mismatches 215;

QY 4 AVEETLMDSTTAAELGMMVHP-PSGWEVSGYDENMNTIRTYQVCNVFESSQNNWLRTK 62

Db 28 ANEVTLLDSRSVQELGWTASPLEGGWEVSMDEKNTPIRTYQVCNVFESSQNNWLRTD 87

QY 63 FIERGAHRHIVEMKESVRDCSSISVPSCSKETNLVYYEADPSATKTFPNMNEPW 122

Db 88 WITREGAQRYYIBIKETLDCNLSLPGVGTCKETNLVYYEADPSATKTFPNMNEPW 143

QY 123 KVDITAADESFSQVLDGRVVKINTVRSFGVPSRSGFYLPQDYGGCMSLIAVRFYRK 182

Db 144 KIDTIAADESFTQVDTGDRIMKLNTEIRDVGLSKGFLAFQDVGACIALVSVEFYKK 203

QY 183 CPRIIONGALFQETLSCAESTSIVAARGSCIANAEVDVPIKLYCNGDEMLVPIGRMCW 242

Db 204 CPLTVRNLAQFPDITIGADTSSLVEVRGCVNNEKQVP-KWYCGADGEMLVPIGNCLC 262

QY 243 KAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSTRITSGATNCVCRNGYVRAADLD 302

Db 263 NAGHE--ERSGECQACKIGYKALSTDATCAKCPHYSVWEGATSCCTCDRGFFRADNDA 320

QY 303 LDMPCTTIPSAQAVISSVNETSLMLETWPPRDSGGREDLVNIIICKSGSG-RCACTRC 361

Db 321 ASMPCTRPPAPQAVISSVNETSLMLETWPPRDSGGREDLVNIIICKSGSG-RCACTRC 380

QY 362 GDNVOYAPROGLTEPRIYISDLAHTQYTFEQAUNGVTDQSPFPQASVNIITNQAA 421

Db 381 GSGVHYVTPQNGLKTTKGSIITDLAHTNYTFEQAUNGVTDQSPFPQASVNIITNQAA 440

QY 422 PSVSIHQVSRVTSITLSWSQPDQNGVILDYLOYYEKELSE--YNATAIKSPNTV 479

Db 441 PSVSIHQVSRVTSITLSWSQPDQNGVILDYLOYYEKELSE--YNATAIKSPNTV 500

QY 480 TGLKAGAIYVQVARTVAGYGRYSGKMYFQTMTEAEYQTSIQEKLPL-LIIGS----- 531

Db 501 KGLNPLTYSVYVHRVARTVAGYGRYSGKMYFQTMTEAEYQTSIQEKLPL-LIIGS----- 549

QY 532 --SAAGLVFLIAVAVIAIVCNR--GFERADSEYTDKQHYTSGHITPGMKIYIDPFY 587

Db	550	LVSVSGSVLVLIIIAAFVTSRRRSKYSKAKQEADEE-----KHLNQGVRTYVDPFTYE	603
Qy	588	DPNEAVREFAFKIDISCVKIEQVIGAGEFGEVCSGHLKLPKKEIFVAIKTLKSGYTEKQ	647
Db	604	DPNCAVEFAKIDASCIEKIEKIVIGVEFGEVCSGELKVPKREICVAIKTLKAGYTDKQ	663
Qy	648	RRDPLSEASIMQFDPNVIHLEGVTKSTPVMITFEFNENGSLDSFLQNDGQFTVIQL	707
Db	664	RRDPLSEASIMQFDPNVIHLEGVTKSTPVMITFEFNENGSLDSFLQNDGQFTVIQL	723
Qy	708	VGMLRGIAAGWKYLADNMYVHRDLAARNILVNSNLVCKVSDFGLSRFLFLEDDTSDPTTSA	767
Db	724	VGMLRGIGSGWKYLSMSYVHRDLAARNILVNSNLVCKVSDFGMSRVLEDD-PEAYTTR	782
Qy	768	LGKFPITWTAPRAIQVRKETSASDVMSYGIWMEVMSYGERPYWDMVNOVINAEODY	827
Db	783	-GGKIPITWTAPRAIAIYRKETSASDVMSYGIWMEVMSYGERPYWDMNSQDVIRKAEEGY	841
Qy	828	RLPPMDPCPSALHQLMLDCWKORHPRKFGQIVNTLDKMIKPNPNSLKAVAPLSGGINLP	887
Db	842	RLPPMDPCPIALHQLMLDCWKERSDEPKFGQIVNMLDKLIRPNLSLKTGTSSRPNTA	901
Qy	888	LLDRTIPDYTSFNTVDEWLEAIKQGYKESFANAGTSPDVVSQMMMEDILRVGVTLACH	947
Db	902	LLDESSEFSAVSVSGDWLQAIKMDRYKDNFTAAGYTTLEAVVHVNQEDLARIGITATH	961
Qy	948	QXKILNSIQVMRAQMNQI	965
Db	962	QNKILSSVQAMRTQMOMX	979

Search completed: July 20, 2004, 10:23:32
Job time : 56 secs

Blank Sheet U.S. P70

0

2

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 20, 2004, 10:12:41 ; Search time 24 Seconds
(without alignments)
2086.550 Million cell updates/sec

Title: US-09-378-759-11

Perfect score: 5116

Sequence: 1 LLAAVEETLMDSTATAELG.....ILNLIQVMRAQMNQIQSVEV 970

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/iaa/5A.COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/6C.COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/6D.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5116	100.0	970	2	US-08-449-645A-11
2	5116	100.0	970	2	US-08-702-367A-11
3	5116	100.0	970	5	PCT-US95-04681-11
4	5082	99.3	994	3	US-08-542-635-2
5	4950.5	96.8	995	1	US-08-162-809-18
6	4934.5	96.5	1011	1	US-08-162-809-12
7	4919.5	96.2	995	2	US-08-673-789-5
8	3909.5	76.4	984	2	US-08-673-789-6
9	3706.5	72.4	951	1	US-08-162-809-2
10	3656	71.5	973	1	US-08-162-809-10
11	3649.5	71.3	988	1	US-08-162-809-14
12	3632.5	71.0	998	2	US-08-449-645A-20
13	3632.5	71.0	998	2	US-08-702-367A-20
14	3632.5	71.0	998	5	PCT-US95-04681-20
15	3595.5	70.3	970	2	US-08-673-789-7
16	3590.5	70.2	993	1	US-08-348-143-1
17	3590.5	70.2	993	1	US-08-571-785-1
18	3590.5	70.2	993	4	US-09-192-435-1
19	3590.5	70.2	993	4	US-09-558-340-1
20	3326.5	65.0	973	1	US-08-162-809-8
21	3035	59.3	986	2	US-08-673-789-3
22	3031	59.2	953	4	US-09-751-389-7
23	3031	59.2	967	2	US-08-449-645A-30
24	3031	59.2	967	2	US-08-702-367A-30
25	3031	59.2	986	2	US-08-449-645A-15
26	3031	59.2	986	2	US-08-702-367A-15
27	3031	59.2	986	5	PCT-US95-04681-15

28	3031	59.2	991	2	US-08-449-645A-13	Sequence 13, Appl
29	3031	59.2	991	2	US-08-702-367A-13	Sequence 13, Appl
30	3031	59.2	991	5	PCT-US95-04681-13	Sequence 13, Appl
31	3024	59.1	1104	1	US-08-222-616-36	Sequence 36, Appl
32	3024	59.1	1104	4	US-08-446-648-36	Sequence 36, Appl
33	3024	59.1	1104	4	US-09-982-610-36	Sequence 36, Appl
34	3024	59.1	1104	5	PCT-US95-04228-36	Sequence 36, Appl
35	3016	59.0	998	2	US-08-449-645A-17	Sequence 17, Appl
36	3016	59.0	998	2	US-08-702-367A-17	Sequence 17, Appl
37	3016	59.0	998	5	PCT-US95-04681-17	Sequence 17, Appl
38	3016	59.0	998	5	PCT-US95-04681-17	Sequence 17, Appl
39	3008.5	58.8	993	4	US-08-368-776A-11	Sequence 11, Appl
40	3001	58.7	998	4	US-08-368-776A-11	Sequence 2, Appl
41	3001	58.7	998	5	PCT-US96-00419-2	Sequence 2, Appl
42	2991	58.5	994	4	US-08-368-776A-12	Sequence 12, Appl
43	2914	57.0	968	4	US-09-751-389-6	Sequence 6, Appl
44	2912.5	56.9	983	2	US-08-449-645A-21	Sequence 21, Appl
45	2912.5	56.9	983	2	US-08-702-367A-21	Sequence 21, Appl

ALIGNMENTS

RESULT 1

US-08-449-645A-11
; Sequence 11, Application US/08449645A
; Patent No. 5981245
; GENERAL INFORMATION:
; APPLICANT: FOX, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Amgen Patent Operations/RBW
; STREET: 1840 Behavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,645A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-449-645A-11

Query Match	100.0%;	Score	5116;	DB	2;	Length	970;
Best Local Similarity	100.0%;	Pred. No.	0;				
Matches	970;	Conservative	0;	Mismatches	0;	Gaps	0;
Qy	1	LLAAVEETLMDSTATAELG	WMVHPPSGWEVSGYDENMNTIRTYQVCNVFESSQNNWLR	60			
Db	1	LLAAVEETLMDSTATAELG	WMVHPPSGWEVSGYDENMNTIRTYQVCNVFESSQNNWLR	60			
Qy	61	TFPIRRRGHRRHVEMKFSVDCSSISFVPSCKETNLVYEEADPSAKTFFNNWNP	120				
Db	61	TFPIRRRGHRRHVEMKFSVDCSSISFVPSCKETNLVYEEADPSAKTFFNNWNP	120				
Qy	121	WVKVTIAADESFSQVDLGGVRWVKINTEVRSFGVRSRGFYLAFDQYGGGSLIAVRFVY	180				
Db	121	WVKVTIAADESFSQVDLGGVRWVKINTEVRSFGVRSRGFYLAFDQYGGGSLIAVRFVY	180				

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Db 121 WKVDTIAADESFSQVLDLGGVWKINTEVRSFGVSRSGFYLAQDYGGCMSLIAVRVY 180
QY 181 KCPRIIQQGALFQETLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGLVPIGR 240
Db 181 KCPRIIQQGALFQETLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGLVPIGR 240
QY 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
Db 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
QY 301 DPLDMPCCTTIPSAQAVISSVNETSLMLETTPRDSGREDLVNIIKSCSGRGACTR 360
Db 301 DPLDMPCCTTIPSAQAVISSVNETSLMLETTPRDSGREDLVNIIKSCSGRGACTR 360
QY 361 CGDNVQYAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
Db 361 CGDNVQYAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
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Db 421 APSAVSIHQVSRVDSITLSWSQDQPNGLDYLQYVEKELSEYNATAIKSPNTVT 480
QY 481 GLKAGAIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
Db 481 GLKAGAIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
QY 541 AVVWIAIVCNRRGFERADSEYTKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
Db 541 AVVWIAIVCNRRGFERADSEYTKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
QY 601 DISCVKIEQVIGAGFEVCSGHUKLPGRKEIFVAIKTLKSGYTEKQRDPFLSEASIMGQ 660
Db 601 DISCVKIEQVIGAGFEVCSGHUKLPGRKEIFVAIKTLKSGYTEKQRDPFLSEASIMGQ 660
QY 661 FDHPNVHLEGVVTKSTPVMIIITFEMNGSLDSFLRQNDGQFTVIQLVGLRGIAAGMKY 720
Db 661 FDHPNVHLEGVVTKSTPVMIIITFEMNGSLDSFLRQNDGQFTVIQLVGLRGIAAGMKY 720
QY 721 LADMYVVRDLAARNILVNSLVCKVSDPGLSRPLEDDTSDPYTSALGCKEPIRWTAPE 780
Db 721 LADMYVVRDLAARNILVNSLVCKVSDPGLSRPLEDDTSDPYTSALGCKEPIRWTAPE 780
QY 781 AIQYRKFTSASDVMSYGIWVMEVMSYGERPYWDMNQDVINAIEQDYRLPPEMDCPFSALH 840
Db 781 AIQYRKFTSASDVMSYGIWVMEVMSYGERPYWDMNQDVINAIEQDYRLPPEMDCPFSALH 840
QY 841 QLMDCWQKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPILDRIPDYTSFN 900
Db 841 QLMDCWQKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPILDRIPDYTSFN 900
QY 901 TVDEWLEAIKMGYKESFANAGFTSFDVWSQMMEDILRVGVTLAGHKILNSIQVMRA 960
Db 901 TVDEWLEAIKMGYKESFANAGFTSFDVWSQMMEDILRVGVTLAGHKILNSIQVMRA 960
QY 961 QMNQIQSVEV 970
Db 961 QMNQIQSVEV 970

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RESULT 2

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US-08-702-367A-11
; Sequence 11, Application US/08702367A
; Patent No 5981246
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RW
; STREET: 1840 Behavilland Drive
; CITY: Thousand Oaks
; STATE: California

```

```

; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,367A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-702-367A-11

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Query Match 100.0%; Score 5116; DB 2; Length 970;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 970; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 LLAAYVEETLMDSTTATAELGMVWVPPSGWEVSGYDENMNTIRTYQVCNVFESSQNWL 60
Db 1 LLAAYVEETLMDSTTATAELGMVWVPPSGWEVSGYDENMNTIRTYQVCNVFESSQNWL 60
QY 61 TFIERRGAHRHVMKFSVDCSISVPSCKETENLYYEADPDSATKTFPNMWN 120
Db 61 TFIERRGAHRHVMKFSVDCSISVPSCKETENLYYEADPDSATKTFPNMWN 120
QY 121 WKVDTIAADESFSQVLDLGGVWKINTEVRSFGVSRSGFYLAQDYGGCMSLIAVRVY 180
Db 121 WKVDTIAADESFSQVLDLGGVWKINTEVRSFGVSRSGFYLAQDYGGCMSLIAVRVY 180
QY 181 KCPRIIQQGALFQETLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGLVPIGR 240
Db 181 KCPRIIQQGALFQETLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGLVPIGR 240
QY 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
Db 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
QY 301 DPLDMPCCTTIPSAQAVISSVNETSLMLETTPRDSGREDLVNIIKSCSGRGACTR 360
Db 301 DPLDMPCCTTIPSAQAVISSVNETSLMLETTPRDSGREDLVNIIKSCSGRGACTR 360
QY 361 CGDNVQYAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
Db 361 CGDNVQYAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
QY 421 APSAVSIHQVSRVDSITLSWSQDQPNGLDYLQYVEKELSEYNATAIKSPNTVT 480
Db 421 APSAVSIHQVSRVDSITLSWSQDQPNGLDYLQYVEKELSEYNATAIKSPNTVT 480
QY 481 GLKAGAIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
Db 481 GLKAGAIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
QY 541 AVVWIAIVCNRRGFERADSEYTKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
Db 541 AVVWIAIVCNRRGFERADSEYTKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
QY 601 DISCVKIEQVIGAGFEVCSGHUKLPGRKEIFVAIKTLKSGYTEKQRDPFLSEASIMGQ 660
Db 601 DISCVKIEQVIGAGFEVCSGHUKLPGRKEIFVAIKTLKSGYTEKQRDPFLSEASIMGQ 660
QY 661 FDHPNVHLEGVVTKSTPVMIIITFEMNGSLDSFLRQNDGQFTVIQLVGLRGIAAGMKY 720
Db 661 FDHPNVHLEGVVTKSTPVMIIITFEMNGSLDSFLRQNDGQFTVIQLVGLRGIAAGMKY 720

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QY 721 LADMYVHRDLAARNILVNSLVCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
DB 721 LADMYVHRDLAARNILVNSLVCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
QY 781 AIQYRKFTSASDVMSYGIWVMSYGERPYWDMNQDVINAIEQDYRLPPMDPCPSALH 840
DB 781 AIQYRKFTSASDVMSYGIWVMSYGERPYWDMNQDVINAIEQDYRLPPMDPCPSALH 840
QY 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
DB 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
QY 901 TVDEWLEAIKMGQYKESFANAGFTSFVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
DB 901 TVDEWLEAIKMGQYKESFANAGFTSFVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
QY 961 QMNQIQSVEV 970
DB 961 QMNQIQSVEV 970

RESULT 3
PCT-US95-04681-11
; Sequence 11, Application PC/TUS9504681
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBW
; STREET: 1840 Dehaviiland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04681
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-04681-11

Query Match 100.0%; Score 5116; DB 5; Length 970;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 970; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LLAVEETLMDSTTATAEAGLGMVHPSPSGWEVSGYDENNMNTIRTYQVCMVPFSSQNNMLR 60
DB 1 LLAVEETLMDSTTATAEAGLGMVHPSPSGWEVSGYDENNMNTIRTYQVCMVPFSSQNNMLR 60
QY 61 TKFIRRRGAHRIHYEMAFSVRDCSSIPSVFGSKETFNLYYYEADFDSATKTFPNWMEP 120
DB 61 TKFIRRRGAHRIHYEMAFSVRDCSSIPSVFGSKETFNLYYYEADFDSATKTFPNWMEP 120
QY 121 WKYVDTTAADEFSQVLDLGRVMKINTEVSPGVSRSFYLAPODYGGCMLIAVRVYF 180
DB 121 WKYVDTTAADEFSQVLDLGRVMKINTEVSPGVSRSFYLAPODYGGCMLIAVRVYF 180

QY 181 RKPRIIIONGAIQFTLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRC 240
DB 181 RKPRIIIONGAIQFTLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRC 240
QY 241 MCKAGFEAVENGTVCKGCPGSGTFFKANQDGEACTHCPINSRTTSEGATNCVCRNGYYRADL 300
DB 241 MCKAGFEAVENGTVCKGCPGSGTFFKANQDGEACTHCPINSRTTSEGATNCVCRNGYYRADL 300
QY 301 DELDMPCCTIPAPQAVISSVNETSLMLEWTPPDSGGREDLVYNIICKSGSGRGACTR 360
DB 301 DELDMPCCTIPAPQAVISSVNETSLMLEWTPPDSGGREDLVYNIICKSGSGRGACTR 360
QY 361 CGDNVQYAPRQGLTEPRYIISDLAHTQYTFEIQAVNGVTDQSPFSPQFASVNNITNOA 420
DB 361 CGDNVQYAPRQGLTEPRYIISDLAHTQYTFEIQAVNGVTDQSPFSPQFASVNNITNOA 420
QY 421 APSAVSIMHQVSKRTVDSITLSWSQDQPNVILYQYKEKSELYNAITAKPTNTVT 480
DB 421 APSAVSIMHQVSKRTVDSITLSWSQDQPNVILYQYKEKSELYNAITAKPTNTVT 480
QY 481 GLKAGAIYVQVRAARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIGSSAAGLVFLI 540
DB 481 GLKAGAIYVQVRAARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIGSSAAGLVFLI 540
QY 541 AVVIAIVCNRRGPERADSEYTDKLOHYTSQHTPGMKIYIDPFTYEDPNEAVREFAKEI 600
DB 541 AVVIAIVCNRRGPERADSEYTDKLOHYTSQHTPGMKIYIDPFTYEDPNEAVREFAKEI 600
QY 601 DISCVKIEQVIGAGBFGVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIMGQ 660
DB 601 DISCVKIEQVIGAGBFGVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIMGQ 660
QY 661 FQHPNVHLEGVVTKSTPWIITEFPMENGLSDSLRQNDGQFTVIQLVGMLRGLAAGMKY 720
DB 661 FQHPNVHLEGVVTKSTPWIITEFPMENGLSDSLRQNDGQFTVIQLVGMLRGLAAGMKY 720
QY 721 LADMYVHRDLAARNILVNSLVCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
DB 721 LADMYVHRDLAARNILVNSLVCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
QY 781 AIQYRKFTSASDVMSYGIWVMSYGERPYWDMNQDVINAIEQDYRLPPMDPCPSALH 840
DB 781 AIQYRKFTSASDVMSYGIWVMSYGERPYWDMNQDVINAIEQDYRLPPMDPCPSALH 840
QY 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
DB 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
QY 901 TVDEWLEAIKMGQYKESFANAGFTSFVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
DB 901 TVDEWLEAIKMGQYKESFANAGFTSFVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
QY 961 QMNQIQSVEV 970
DB 961 QMNQIQSVEV 970

RESULT 4
US-08-542-635-2
; Sequence 2, Application US/08542635
; Patent No. 6218356
; GENERAL INFORMATION:
; APPLICANT: Pawson, Anthony
; APPLICANT: Henkemeyer, Mark
; APPLICANT: Letwin, Kenneth
; TITLE OF INVENTION: NOVEL NEURAL RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bereskin & Parr
; STREET: 40 King Street West, Box 401
; CITY: Toronto
; STATE: Ontario

```

; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/542,635
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: McDiarmid, Shona S.
; REGISTRATION NUMBER: 38,798
; REFERENCE/DOCKET NUMBER: 3153-162
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; TELEX: 06-23115
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 994 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Mus musculus
; DEVELOPMENTAL STAGE: Embryo
; IMMEDIATE SOURCE:
; LIBRARY: lambda gt10 cDNA library
; CLONE: Combined phurACE A2 and K2 and cDNA clones
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: Distal end of chromosome 4
; MAP POSITION: near the abd-1 mutation
;
US-08-542-635-2

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Query Match 99.3%; Score 5082; DB 3; Length 994;

Best Local Similarity 99.2%; Pred. No. 0;

Matches 964; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

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QY 1 LLAAYEETIMSTTATAGLMMVHPGSGEVSVDENMTTIRYQVKNVFSSQNNWL 60
DB 23 LLAAYEETIMSTTATAGLMMVHPGSGEVSVDENMTTIRYQVKNVFSSQNNWL 82
QY 61 TKFIRRGARHIVEMKFSVRDCSSIPSVPCKETFNLYYYEADPDSATKTFPNMNP 120
DB 83 TKFIRRGARHIVEMKFSVRDCSSIPSVPCKETFNLYYYEADPDLATKTFPNMNP 142
QY 121 WYKVDITIADESFSQVLDLGGVRMKINTVRSFGVSRGFLAFQDYGGCMSLIAVRVPY 180
DB 143 WYKVDITIADESFSQVLDLGGVRMKINTVRSFGVSRGFLAFQDYGGCMSLIAVRVPY 202
QY 181 RCPRIIIONGALFQTLGSAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLVPIGR 240
DB 203 RCPRIIIONGALFQTLGSAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLVPIGR 262
QY 241 MCKAGFEAVNGTVCRCGCSGTFFKANGQDEACTHCPINSRTTSEGATNCVCRNGYYRADL 300
DB 263 MCKAGFEAVNGTVCRCGCSGTFFKANGQDEACTHCPINSRTTSEGATNCVCRNGYYRADL 322
QY 301 DPLDMPCCTTISAPQAVISSNVTSLMWTTPRDSGREDLYNLIKSCSGRGACTR 360
DB 323 DPLDMPCCTTISAPQAVISSNVTSLMWTTPRDSGREDLYNLIKSCSGRGACTR 382
QY 361 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
DB 383 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 442
QY 421 APSAVSIWHQVSRVDSITLWSQDOPNGVILDYELQYVEKSEYNATATKSPNTVT 480
DB 443 APSAVSIWHQVSRVDSITLWSQDOPNGVILDYELQYVEKSEYNATATKSPNTVT 502

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RESULT 5
US-08-162-809-18
; Sequence 18, Application US/08162809
; Patent No. 5457048
; GENERAL INFORMATION:
; APPLICANT: Pasquale, Elena B.
; APPLICANT: Sajjadi, Fereydoon G.
; TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES.
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES, AND METHODS OF USE
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States of America
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,809
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 995 amino acids

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QY 481 --CLKAGAIYVQVRARTVAGYGRYSGKMYFQMTAEAYQTSIOEKPLIIGSSAAGLVF 538
DB 503 VOQLKAGAIYVQVRARTVAGYGRYSGKMYFQMTAEAYQTSIOEKPLIIVGSSAAGLVF 562
QY 539 LIAVVVIAIVCNRGRFERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDPNEAVREFAK 598
DB 563 LIAVVVIAIVCNRGRFERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDPNEAVREFAK 622
QY 599 EIDISCVKIEQVIGAGEGECVSHGLKLPGRKREIFVAIKTLKSGYTKQRDRDFLSEASIM 658
DB 623 EIDISCVKIEQVIGAGEGECVSHGLKLPGRKREIFVAIKTLKSGYTKQRDRDFLSEASIM 682
QY 659 GQPDHNVHLEGVVTKSTPVMIIITERNENGSLDSFLRQNDGQFTVIQLVGMLRGIAAGM 718
DB 683 GQPDHNVHLEGVVTKSTPVMIIITERNENGSLDSFLRQNDGQFTVIQLVGMLRGIAAGM 742
QY 719 KYLADNMVYVHRDLAARNILVNSNLVCKVSDGLGRFLEDDTSDPTYSALGGKPIRWTA 778
DB 743 KYLADNMVYVHRDLAARNILVNSNLVCKVSDGLGRFLEDDTSDPTYSALGGKPIRWTA 802
QY 779 PEAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIEQDYRLPPMDCPSA 838
DB 803 PEAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIEQDYRLPPMDCPSA 862
QY 839 LHQLMLDCWQKDRNHRPKFGQIVNTLDKWIENPNSLKAMAPLSSGINLPLDRTIPDYS 898
DB 863 LHQLMLDCWQKDRNHRPKFGQIVNTLDKWIENPNSLKAMAPLSSGINLPLDRTIPDYS 922
QY 899 FNTVDWLEAIKMGQYKESFANAGTSDVVSOMMEDILRVGVTLAGHOKKILNSIQVM 958
DB 923 FNTVDWLEAIKMGQYKESFANAGTSDVVSOMMEDILRVGVTLAGHOKKILNSIQVM 982
QY 959 RAQMNOIQSVEV 970
DB 983 RAQMNOIQSVEV 994

```

; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-162-809-18

Query Match 96.8%; Score 4950.5; DB 1; Length 995;
 Best Local Similarity 95.6%; Pred. No. 0;
 Matches 930; Conservative 28; Mismatches 12; Indels 3; Gaps 2;

Qy	1	LLAAVEETLMDSTTATAELGVMVHPSPGWEVSGYDENMNTIRTYQVCNVFESSQNWL	60
Db	23	LLAAVEETLMDSTTATAELGVMVHPSPGWEVSGYDENMNTIRTYQVCNVFESSQNWL	82
Qy	61	TKFIRRGARHIVHEMVFSDCSSIPSPGSCKETFNLYYYEADSDATKTFPNWMP	120
Db	83	TKYIRRGARHIVHEMVFSDCSSIPSPGSCKETFNLYYYEADSDATKTFPNWMP	142
Qy	121	WKVVDTTAADESQVDLGRVMKINTEVRSPGVSRSFYLAQDYGCMGLIARVVF	180
Db	143	WMKVDTTAADESQVDLGRVMKINTEVRSPGVSRSFYLAQDYGCMGLIARVVF	202
Qy	181	RKPRIIQNGAIFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLPICRC	240
Db	203	RKPRVIONGAVFQETLSGAESTSLVAARGTCISNAEEVDVPIKLYCNGDGWLPICRC	262
Qy	241	MCKAGFAVENGTVCRCPSGTGKANGQDEACTHCIPNSRTTSEGATNCVCRNGYRADL	300
Db	263	MCRPGYESVNGTVCRCPSGTGKASQDGGCVCHPCINSRTTSEGATNCVCRNGYRADL	322
Qy	301	DPLDMPCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR	360
Db	323	DPVDMFCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR	382
Qy	361	CGDNVQAPQLGLTEPRYISDLAHTQYTFEIQAVNGTVDSPSPQFASVNTTQQA	420
Db	383	CGDNVQAPQLGLTEPRYISDLAHTQYTFEIQAVNGTVDSPSPQFASVNTTQQA	442
Qy	421	APSAVSMHVSRTVDSITLSWSQPPQNGVILDYELQYKELSEYNATALKSTNTVT	480
Db	443	APSAVSMHVSRTVDSITLSWSQPPQNGVILDYELQYKELSEYNATALKSTNTVT	502
Qy	481	--GLKAGAIYVQVARTVAGYRGYSGMYFQMTAEYQTSIQEKLPIIGSSAAGLVF	538
Db	503	VQNLKAGTIYVQVARTVAGYRGYSGMYFQMTAEYQTSIQEKLPIIGSSAAGLVF	562
Qy	539	LIAVVIAVCN--RRGPERADSEYTDKLQHYTSGHTPGMKIYIDPFTYEDNEAVRFA	597
Db	563	LIAVVIAVCNRRGPERADSEYTDKLQHYTSGHTPGMKIYIDPFTYEDNEAVRFA	622
Qy	598	KEIDISCVKIEQVIGAGEFGEVCSGHLKLPGRKEIFVAIKTKSGYTEKQRDFLSEAS	657
Db	623	KEIDISCVKIEQVIGAGEFGEVCSGHLKLPGRKEIFVAIKTKSGYTEKQRDFLSEAS	682
Qy	658	MGQFDHNVHLEGVTKSTFVMIITEFMENGSLDSFLRQNDQGFVQLVGMGLGIAAG	717
Db	683	MGQFDHNVHLEGVTKSTFVMIITEFMENGSLDSFLRQNDQGFVQLVGMGLGIAAG	742
Qy	718	MKYLADNNYVHRLAARNILVSNLVCKYSDFGLSRFLFDDTSDPTTYSALGCKPIRWT	777
Db	743	MKYLADNNYVHRLAARNILVSNLVCKYSDFGLSRFLFDDTSDPTTYSALGCKPIRWT	802
Qy	778	APEAIQYRKFTASDVMSYGIVMWEVMSYGERPYDMNTQDVINAIEQDYRLPPMDQCP	837
Db	803	APEAIQYRKFTASDVMSYGIVMWEVMSYGERPYDMNTQDVINAIEQDYRLPPMDQCP	862
Qy	838	ALHQLMLDCQKORNRHPKFGQIVNTLDKMRNPNSLKAMAPLSSGINPLLDRTIPDYT	897
Db	863	ALHQLMLDCQKORNRHPKFGQIVNTLDKMRNPNSLKAMAPLSSGINPLLDRTIPDYT	922
Qy	898	SFNTVDEWLBALKVQYKESFANAGTSPDVVSWMMEDILKVGTVLAGHQKILNSIQV	957
Db	923	SFNTVDEWLBALKVQYKESFANAGTSPDVVSWMMEDILKVGTVLAGHQKILNSIQV	982

Qy	958	MRAQMNIQIOSEV	970
Db	983	MRAQMNIQIOSEV	995

RESULT 6
 US-08-162-809-12
 ; Sequence 12, Application US/08162809
 ; Patent No. 5457048
 ; GENERAL INFORMATION:
 ; APPLICANT: Pasquale, Elena B.
 ; APPLICANT: Sajjadi, Ferydoun G.
 ; TITLE OF INVENTION: NOVEL BPH-RELATED TYROSINE KINASES,
 ; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES, AND METHODS OF USE
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CAMPBELL AND FLORES
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: United States of America
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/162,809
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Cathryn A.
 ; REGISTRATION NUMBER: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9503
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 535-9001
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 12:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1011 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-162-809-12

Qy	1	LLAAVEETLMDSTTATAELGVMVHPSPGWEVSGYDENMNTIRTYQVCNVFESSQNWL	60
Db	23	LLAAVEETLMDSTTATAELGVMVHPSPGWEVSGYDENMNTIRTYQVCNVFESSQNWL	82
Qy	61	TKFIRRGARHIVHEMVFSDCSSIPSPGSCKETFNLYYYEADSDATKTFPNWMP	120
Db	83	TKYIRRGARHIVHEMVFSDCSSIPSPGSCKETFNLYYYEADSDATKTFPNWMP	142
Qy	121	WKVVDTTAADESQVDLGRVMKINTEVRSPGVSRSFYLAQDYGCMGLIARVVF	180
Db	143	WMKVDTTAADESQVDLGRVMKINTEVRSPGVSRSFYLAQDYGCMGLIARVVF	202
Qy	181	RKPRIIQNGAIFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLPICRC	240
Db	203	RKPRVIONGAVFQETLSGAESTSLVAARGTCISNAEEVDVPIKLYCNGDGWLPICRC	262
Qy	241	MCKAGFAVENGTVCRCPSGTGKANGQDEACTHCIPNSRTTSEGATNCVCRNGYRADL	300
Db	263	MCRPGYESVNGTVCRCPSGTGKASQDGGCVCHPCINSRTTSEGATNCVCRNGYRADL	322
Qy	301	DPLDMPCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR	360
Db	323	DPVDMFCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR	382

Query Match 96.5%; Score 4934.5; DB 1; Length 1011;
 Best Local Similarity 94.0%; Pred. No. 0;
 Matches 930; Conservative 28; Mismatches 12; Indels 19; Gaps 3;

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QY 361 CGDNVQAPRQLGTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
Db 383 CGDNVQAPRQLGTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 442
QY 421 APSAVSIMHQSRTVDSITLSWSQDQPNGLVDYELQYVEKELSEYNATAIKSPNTVT 480
Db 443 APSAVSIMHQSRTVDSITLSWSQDQPNGLVDYELQYVEKELSEYNATAIKSPNTVT 502
QY 481 --GLKAGAIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIGSSAAGLVF 538
Db 503 VQNLKAGTIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIGSSAAGLVF 562
QY 539 LIAVVAIAVNCN-RRGFERADSEYTDKLOHYTSGH-----TIPGKMYI 581
Db 563 LIAVVAIAVNCN-RRGFERADSEYTDKLOHYTSGHSTYRGPPGLGVRSLFVTPGKMYI 622
QY 582 DPFTYEDPNEAVREFAKEIDISCVKIEQVIGAGEFGVCSGHLKLPKREIFVAIKTLKS 641
Db 623 DPFTYEDPNEAVREFAKEIDISCVKIEQVIGAGEFGVCSGHLKLPKREIFVAIKTLKS 682
QY 642 GYTSKQRDDFLSEASIMGQFDHPNVHLEGVTKSTPVMILTEFMEGSLDSFLRQNDQ 701
Db 693 GYTSKQRDDFLSEASIMGQFDHPNVHLEGVTKSTPVMILTEFMEGSLDSFLRQNDQ 742
QY 702 FTVLQVGLMRLGIAAGMKYLADMYVHRDLAARNILVNSNLVCKVSDFGLSRFLDDTSD 761
Db 743 FTVLQVGLMRLGIAAGMKYLADMYVHRDLAARNILVNSNLVCKVSDFGLSRFLDDTSD 802
QY 762 PTVTSALGGKPIRWTAPETAYKFTSASDVMSYGVVMEVMSYGERPYDMWTQDVIN 821
Db 803 PTVTSALGGKPIRWTAPETAYKFTSASDVMSYGVVMEVMSYGERPYDMWTQDVIN 862
QY 822 AIEQDYRLPPMDPCPSALHQLMDCWQKORNRHPKFGQIVNTLDKMRNPNLSKAMAPLS 881
Db 863 AIEQDYRLPPMDPCPSALHQLMDCWQKORNRHPKFGQIVNTLDKMRNPNLSKAMAPLS 922
QY 882 SGINLPLDRTIPDYTSFNTVDEWLEAKMGQYKESFANAGFTSPDVVSCMMEDILRVG 941
Db 923 SGVNLPLDRTIPDYTSFNTVDEWLEAKMGQYKESFANAGFTSPDVVSCMMEDILRVG 982
QY 942 VTLAGHQKILNLSIQVMRAQMNQIQSV 970
Db 983 VTLAGHQKILNLSIQVMRAQMNQIQSV 1011

```

RESULT 7

US-08-673-789-5

; Sequence 5, Application US/08673789

; Patent No. 5814479

; GENERAL INFORMATION:

; APPLICANT: ZHOU, RENPING; SCHULZ, NICHOLAS,

; APPLICANT: T.; KROMER, LAWRENCE, F.; VANDE WOUDE,

; APPLICANT: GEORGE, F.

; TITLE OF INVENTION: BSK RECEPTOR LIKE

; TITLE OF INVENTION: TYROSINE KINASE AND LIGAND AND THEIR

; TITLE OF INVENTION: USE IN DIAGNOSTIC AND THERAPEUTIC

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORGAN & FINNEGAN

; STREET: 345 PARK AVENUE

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10154

; COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY DISK

; COMPUTER: IBM PC COMPATIBLE

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WORDPERFECT 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/673, 789

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/177,812

FILING DATE: 04-JAN-1994

ATTORNEY/AGENT INFORMATION:

NAME: CAROL M. GRUPPI

REGISTRATION NUMBER: 37,341

REFERENCE/DOCKET NUMBER: 2026-4105

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 758-4800

TELEFAX: (212) 751-6849

TELEX: 421792

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 995

TYPE: AMINO ACID

STRANDEDNESS: UNKNOWN

TOPOLOGY: UNKNOWN

US-08-673-789-5

Query Match 96.2%; Score 4919.5; DB 2; Length 995;

Best Local Similarity 94.9%; Pred. No. 0;

Matches 923; Conservative 30; Mismatches 17; Indels 3; Gaps 2;

QY 1 LLAAVEETLMDSTTATAELGMMVHPSPGNEEVSVDENMTIRTYQVCNVPESQNNWLR 60

Db 23 LLAAVEETLMDSTTATAELGMMVHPSPGNEEVSVDENMTIRTYQVCNVPESQNNWLR 82

QY 61 TKTIIRRGARRIHVENKFSVRDCSSIPSPVSGCKETFNLYYEADPDSATKTFENWENP 120

Db 83 TKTIIRRGARRIHVENKFSVRDCSSIPSPVSGCKETFNLYYEADPDSATKTFENWENP 142

QY 121 WKVVDITAADESFQVDLGGRYMKINTEVRSFVSRGFLAFQDYGGCWSLIAVRVY 180

Db 143 WKVVDITAADESFQVDLGGRYMKINTEVRSFVSRGFLAFQDYGGCWSLIAVRVY 202

QY 181 RKCPRIQNGALFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGR 240

Db 203 RKCPRIQNGALFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGR 262

QY 241 MCKAGFEAVENGTVCRGCPSTFKANQGEACTHCPINSRTTSAGTNCVCRNGYRADL 300

Db 263 MCRPGYESVENGTVCRGCPSTFKANQGEACTHCPINSRTTSAGTNCVCRNGYRADL 322

QY 301 DPLDMPTTIPAPQAVISSVNETSMLLEWTPPRDSGGREDLVYNIICKSCSGRGACTR 360

Db 323 DPLDMPTTIPAPQAVISSVNETSMLLEWTPPRDSGGREDLVYNIICKSCSGRGACTR 382

QY 361 CGDNVQAPRQLGTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420

Db 383 CGDNVQAPRQLGTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 442

QY 421 APSAVSIMHQSRTVDSITLSWSQDQPNGLVDYELQYVEKELSEYNATAIKSPNTVT 480

Db 443 APSAVSIMHQSRTVDSITLSWSQDQPNGLVDYELQYVEKELSEYNATAIKSPNTVT 502

QY 481 --GLKAGAIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIGSSAAGLVF 538

Db 503 VQNLKAGTIYVQVARTVAGYGRYSGKMYFQMTAEYQTSIQEKLPLIIGSSAAGLVF 562

QY 539 LIAVVAIAVNCN-RRGFERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDPNEAVREFA 597

Db 563 LIAVVAIAVNCN-RRGFERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDPNEAVREFA 622

QY 598 KEIDISCVKIEQVIGAGEFGVCSGHLKLPKREIFVAIKTLKSGYTEKQRDDFLSEASI 657

Db 623 KEIDISCVKIEQVIGAGEFGVCSGHLKLPKREIFVAIKTLKSGYTEKQRDDFLSEASI 682

QY 658 MGQFDHPNVHLEGVVTKSTPVMILTEFMEGSLDSFLRQNDQGTFTVLQVGLMRLGIAAG 717

Db 683 MGQFDHPNVHLEGVVTKSTPVMILTEFMEGSLDSFLRQNDQGTFTVLQVGLMRLGIAAG 742

QY 718 MYLADMYVHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTYSALGGKPIRWT 777
DB 743 MYLADMYVHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTYSALGGKPIRWT 802
QY 778 APEALQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQVINAIEQDYRLPPMDCPS 837
DB 803 APEALQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQVINAIEQDYRLPPMDCPN 862
QY 838 ALHQLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPILDRITPDYT 897
DB 863 ALHQLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGVNLPILDRITPDYT 922
QY 898 SPNTVDEWLEAIKMGQYKESFANAGFTSFDDVVSOMMEDILRVGVTLAGHOKILNSIQV 957
DB 923 SPNTVDEWLDALIKMGQYKESFASAGFTTFDIVSQMTVEDILRVGVTLAGHOKILNSIQV 982
QY 958 MRAQMNQIQSVEV 970
DB 983 MRAQMNQIQSVEV 995

RESULT 8
US-08-673-789-6

; Sequence 6, Application US/08673789
; Patent No. 5814479

; GENERAL INFORMATION:

; APPLICANT: ZHOU, RENPING; SCHULZ, NICHOLAS,

; APPLICANT: T.; KROMER, LAWRENCE, F.; VANDE WOUDE,

; APPLICANT: GEORGE, F.

; TITLE OF INVENTION: BSK RECEPTOR LIKE

; TITLE OF INVENTION: TYROSINE KINASE AND LIGAND AND THEIR

; TITLE OF INVENTION: USE IN DIAGNOSTIC AND THERAPEUTIC

; TITLE OF INVENTION: METHODS

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORGAN & FINNEGAN

; STREET: 345 PARK AVENUE

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10154

; COMPUTER READABLE FORM: DISK

; MEDIUM TYPE: FLOPPY DISK

; COMPUTER: IBM PC COMPATIBLE

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WORDPERFECT 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/673,789

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/177,812

; FILING DATE: 04-JAN-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: CAROL M. GRUPPI

; REGISTRATION NUMBER: 37,341

; REFERENCE/DOCKET NUMBER: 2026-4105

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 758-4800

; TELEFAX: (212) 751-6849

; TELETYPE: 421792

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 984

; TYPE: AMINO ACID

; STRANDEDNESS: UNKNOWN

; TOPOLOGY: UNKNOWN

US-08-673-789-6

Query Match 76.4%; Score 3909.5; DB 2; Length 984;

- Best Local Similarity 73.9%; Pred. No. 3.5e-290;

Matches 716; Conservative 128; Mismatches 122; Indels 3; Gaps 2;

RESULT 9

US-08-162-809-2

; Sequence 2, Application US/08162809

; Patent No. 5457048

QY 2 LAAVEETLMDSTTATAELGWMVHPGMBEVSQYDENMNTIRTYQCNVPFESSQNNWLT 61
DB 15 VAMEESTLMDSTATAELGWTANPASGWEVSQYDENLNTIRTYQCNVFPNQNNWLT 74
QY 62 KFIIRRGARHRIHVEMKFSVRDCSSIPSPVSGCKEFTFNLYYYEADPSATKTFPNWMEPW 121
DB 75 TFINRRGARHRIYTEMFTVRDCSSLPNVPSCKETFNLYYYEFTDSVIATKKSAFWESEAY 134
QY 122 VKYDTTAADESPSOVDLGGRVKMNTEVRSFGVRSFGYLAPODYGGQMSLIARVFXR 181
DB 135 LKVDTTTAADESFQVDFGRLMKVNTVRSFGPLTENGFLAFQDYGACWSLLSVERVFFK 194
QY 182 KCPRIITONGAIFOETLSGAESTSLVAARSGCTIANABEVDVPKLYCNGDEWLVPIGRCM 241
DB 195 KCPISIVQNFVAFPEITMTGAESTSLVIARTGTCIPNABEVDVPIKLYCNGDEWMPVIGRCT 254
QY 242 CKAGFEAVENGTVCRGCGTFRKANGODEACTHCPINSTRITSEGTATNVCNRNGYYRADLD 301
DB 255 CKAGYEP-ENSVACKACPACTFRASBAEGCSCHPSNSRSPSEASPICTCTGYRADFD 313
QY 302 PLDMPTCTTIPSAPCAVISSVNETSLMLEWTPPRDSGREDLVNIIICKSGSGRGACTRC 361
DB 314 PPEVACTSVSPGPRNVIISVNETSIILEWHPRETGRDDVTYNIICKKCRADDRSCSRC 373
QY 362 GDNVQYAPROGLTEPRIYISDILAHTQYFETQAVNGVTDQSPSPQFASVNTTNOAA 421
DB 374 DDNVEFVPRQLGTECHRSISSLWHTPYTFDIQALNGVSSKSPFPFPHQVSVNTTNOAA 433
QY 422 PSAVSIHQVSRVDSITLSWSQPDQPNQVILQYELQYKEKSELYNATAIKSPNT -V 479
DB 434 PSTVPMHQVSATWESITLSWPOPEQNGIILDYEIRYKEHEFNFSMARSGTNTARI 493
QY 480 TGLKAGAIYVQVRAVAGYRGYSGMYQTWTEABYQTSIQEKLPLIITGSSNAGLVEL 539
DB 494 DGLRPGMVVYVQVRAVAGYRGYSGMYQTWTEABYQTSIQEKLPLIITGSSNAGLVEL 553
QY 540 IAVVVIALVGNRGERADSEYTDKLOHYTSGHTTQMKIYIDPFTYEDNEAVREFAKE 599
DB 554 VSLVAISIVCSRKAYSKAVYSDKLOHYTSGRSPCKIYIDPFTYEDNEAVREFAKE 613
QY 600 IDISCVKIEQVIGAGEFGEVCSGHLKLPGRKREIFVAITLKSQYTERQKQDFLSEASIMG 659
DB 614 IDVSFVKIEEVIAGEFGEVYVKGRLKLPGRKREIVAIKTLKAGYSEKQKQDFLSEASIMG 673
QY 660 QFDHPNTHLEGVYTKSTPMIITEFVENGSLDSFLRQNDQFVIOLVGMLRGIAAGMK 719
DB 674 QFDHPNTHLEGVYTKSTPMIITEFVENGSLDSFLRQNDQFVIOLVGMLRGIAAGMK 733
QY 720 YLADMNVYHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTYSALGGKPIRWTAP 779
DB 734 YLSENVYHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTYSALGGKPIRWTAP 793
QY 780 EAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQVINAIEQDYRLPPMDCPSAL 839
DB 794 EAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQVINAIEQDYRLPPMDCPSAL 853
QY 840 HOLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPILDRITPDYT 899
DB 854 HOLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGVNLPILDRITPDYT 913
QY 900 NTVDEWLEAIKMGQYKESFANAGFTSFDDVVSOMMEDILRVGVTLAGHOKILNSIQV 959
DB 914 TTVDDWLSAIKMWQYRDSFLTAGFTSLQVQMTSEDLRLRIGVTLAGHOKILNSIHMR 973
QY 960 AQMNQIQSV 968
DB 974 VQMNQSPSV 982

GENERAL INFORMATION:
 APPLICANT: Pasquale, Elena B.
 APPLICANT: Sajjadi, Fereydoon G.
 TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES,
 TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES,
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CAMPBELL AND FLORES
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 COUNTRY: United States of America
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/162,809
 FILING DATE:
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Cathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 9503
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 951 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-162-809-2

Query Match 72.4%; Score 3706.5; DB 1; Length 951;
 Best Local Similarity 70.2%; Pred. No. 1.1e-274;
 Matches 687; Conservative 120; Mismatches 117; Indels 55; Gaps 4;
 7 ETIMDSSTATAELGVMWPPSGWEEVSGYDENNMNRTIRYQVCNVPESONWLRKFR 66
 1 ETIMDSSTATAELGVMWPPSGWEEVSGYDENNMNRTIRYQVCNVPESONWLRKFR 60
 67 RGARIHVMKFSVRDCSSIPVSGKETPNLYYADFSATKIPFNWMPVWVDT 126
 61 RGARIHVMKFSVRDCSSIPVSGKETPNLYYADFSATKIPFNWMPVWVDT 120
 127 IAADESFSQVLDGGVWKINTVRSFGVSRSGFLAFQDYGGCMLIAVAVFYKCPRI 186
 121 IAADESFSQVLDGGVWKINTVRSFGVSRSGFLAFQDYGGCMLIAVAVFYKCPRI 147
 187 IONGAIFORTLSGASTSLVAARGSCIANABEVDVPIKLYCNGDGEMLVPIGRQWCKAGF 246
 148 VQNFAPFETMTGASTSLVARGTCIPNABEVDVPIKLYCNGDGEMLVPIGRQWCKAGF 207
 247 EAVENGTVRCGCPSTFRKANGDEACTHCIPNSRTTSGATNCVCRNGYFRADLDMP 306
 208 EP-ENNVACRCPAGTFRKANGDEACTHCIPNSRTTSGATNCVCRNGYFRADLDMP 266
 307 CTTIPSAQVIVSYNETSLMLETTPRDSGGRDLVNIICKSGSGRGACTRCGNVQ 366
 267 CTSVPSGPRNIVISNETSIILENNPPRETGRDDVTYIVCKRADRACSCDDNVE 326
 367 YAPROLGTEPRIVISDLATQTFEIQAVNGVTDQSPSPQASVNIITNQAPSAVS 426
 327 FVPROLGTEPRIVISDLATQTFEIQAVNGVTDQSPSPQASVNIITNQAPSAVS 386
 427 IMHQVSRVDSITLSWSQDFQNGVILDYELQYVEK-----ELSEY 467
 387 IMHQVSRVDSITLSWSQDFQNGVILDYELQYVEK-----ELSEY 446

QY 468 NATAIKSPNT--VTGLKAGAIYVQVARTVAGYGRYSGMYPQTMTAEYQTSIOEKL 525
 DB 447 NSSVARSQNTARLEGLRPGMVVYVQVARTVAGYGRYSGMYPQTMTAEYQTSIOEKL 506
 QY 536 PLIIGSSAAGLVFLIAVVTAVICNRRGFRADSEYTDKLOHYTSGHITGMKIYIDPFT 585
 DB 507 PLIIGSSAAGLVFLIAVVTAVICNRRGFRADSEYTDKLOHYTSGHITGMKIYIDPFT 566
 QY 586 YEDPNEAVREFAKEID:SCVKIEQVIGAGBFGVCSGHLKLPGRKREIFVAKTLKSGYTE 645
 DB 567 YEDPNEAVREFAKEID:SCVKIEQVIGAGBFGVCSGHLKLPGRKREIFVAKTLKSGYTE 626
 QY 646 KORRDFLSEASIMQGFDPHNVHLEGVVTKSTPWIITEFWENGSLDSFQRNDGQFTVI 705
 DB 627 KORRDFLSEASIMQGFDPHNVHLEGVVTKSTPWIITEFWENGSLDSFQRNDGQFTVI 686
 QY 706 QLVGMLRGIAAGMKYLADMYVHRDLAARNILVSNLVCKVDFGLSRFLEDDTSDPTYT 765
 DB 687 QLVGMLRGIAAGMKYLADMYVHRDLAARNILVSNLVCKVDFGLSRFLEDDTSDPTYT 746
 QY 766 SALGGKPIRWTAPETAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMTNQDVINAIEQ 825
 DB 747 SALGGKPIRWTAPETAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMTNQDVINAIEQ 806
 QY 826 DYRLPPPMDCPSALHOLMLDCWKDRNHRPKFGQIVNTLTKMIRNPNLSLKAMAPLSSGIN 885
 DB 807 DYRLPPPMDCPSALHOLMLDCWKDRNHRPKFGQIVNTLTKMIRNPNLSLKAMAPLSSGIN 866
 QY 886 LPLLDRTPDYSFNTVDEWLEAKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLA 945
 DB 867 LPLLDRTPDYSFNTVDEWLEAKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLA 926
 QY 946 GHOKKILNLSIQVMRAQWQ 964
 DB 927 GHOKKILNLSIQVMRAQWQ 945
 RESULT 10
 US-08-162-809-10
 ; Sequence 10, Application US/08162809
 ; Patent No. 5457048
 ; GENERAL INFORMATION:
 ; APPLICANT: Pasquale, Elena B.
 ; APPLICANT: Sajjadi, Fereydoon G.
 ; TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES,
 ; TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES,
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CAMPBELL AND FLORES
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: United States of America
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/162,809
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Cathryn A.
 ; REGISTRATION NUMBER: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9503
 ; TELEPHONE: (619) 535-9001
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 973 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-162-809-10

Query Match 71.5%; Score 3656; DB 1; Length 973;
Best Local Similarity 71.0%; Pred. No. 8.3e-271;
Matches 682; Conservative 120; Mismatches 145; Indels 14; Gaps 5;

QY 16 TAEGLMWHPPSGWEEVSGYDENNTIRTYQVCNVFESSQNNWLRTRKFIIRRGARHIVE 75
DB 21 TSELAWTHPTGWEVSGYDEAMNPIRTYQVCNVREANQNNWLRTRKFIQRDYQRYVE 80
QY 76 MKFSVRDCSSITPSVPGSKETFNLYYEADFDSDATKTPNNWNPWVKVDTIAADESFQ 135
DB 81 LKFTVRDCNSIPNIPGSKETFNLYYEADFDSDATKTPNNWNPWVKVDTIAADESFQ 140
QY 136 VDLGRVWKINTEVRSFGVSRSGFYLAFOYGGCMLIAVRFYKRCPRIIQNGAIFQE 195
DB 141 LESG----RVNTKVRSFGPLSKNGFYLAFOYGGCMLISVRAFYKCSNTIAGFAIFPE 196
QY 196 TILSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLVPIGRCMCKAGFEAVENGTV 255
DB 197 TLTGAEPSTLVATGCTCPINAVEVSVPLKLYCNGDGWLVPIGRCMCKAGFEAVENGTV 256
QY 256 RCPGSGTKANOGDEACTHCPINSRTTSEGATNCVRNGYRADLDPLDMPTTIPSAPO 315
DB 257 QACGPGTFKSKQGEPCPCPNSTTAGAATVCTCRSGFFRADADPADSACTSVPSAPR 316
QY 316 AVISSVNETSLMLETWPPRDSGGREDLVNIIKSCGSGRGACTRCGDNVQVAPROL--- 372
DB 317 SVISNVNETSLVLEWSEPDAGGRDLDLLYNVICKSVERRLCSCDDNVFVPRQLGT 376
QY 373 GLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFQFASVNTTNQAAPSASVIMHOVS 432
DB 377 GLTERRIYISKMAHPQYTFEIOAVNGVTDQSPFQFASVNTTNQAAPSASVIMHOVS 436
QY 433 RTVDSITLWSQDPQNGVILQYQYKE--LSEYNATAIKSPNTV--TGLKAGALYV 489
DB 437 STGNSMTLSWTPEPENGILDIYELIKSEKQGGGIANVTISQKNSVRLDGLKANARYM 496
QY 490 FOVRTAVAGYGRYSKMTFQMTAEYQTSIQEKLPLHIGSSAAGLVFLIAVVVIAIVC 549
DB 497 VQVARTVAGYGRYSLPTEFQTTAEQDGSSTKTFQELPLVIGSATAGLLFVIVVIAIVC 556
QY 550 NRGFRPRADSEYTDKLOHTSGHITPGMKIYIDPFTYEDPNEAVREFAKEIDISCVKIEQ 609
DB 557 FRQKRNSTDPEYTEKLQY---VTPGKMYIDPFTYEDPNEAVREFAKEIDISCVKIEE 612
QY 610 VIGAGFEVGVCSGHLKLPCKREIFVAIKTLKSGYTEKQRDRDLSEASIMQGFDPNVIHL 669
DB 613 VIGAGFEVGVCRGLKLPGRERIFVAIKTLKVGYTEKQRDRDLSEASIMQGFDPNVIHL 672
QY 670 EGVVTKSTPWIITEFEMNGSLDSFLRQNDGQFTVQLVGMRLGRTAAGMKYLDMMYVHR 729
DB 673 EGVVTKSRPWIITEFEMNICALDSFLRLNDGQFTVQLVGMRLGRTAAGMKYLDMMYVHR 732
QY 730 DLAAARNILVNSLVCKVSPGLSRFLEDDTSDPTYSALGGKFPRTWTAPEAIQYRKFTS 789
DB 733 DLAAARNILVNSLVCKVSPGLSRFLEDDPDDPTYSISLGGKIPRTWTAPEAIQYRKFTS 792
QY 790 ASDVWSYGIYVMEVMSYGERPYWDMTNQDVINAIEQDYLRLPPMDCPALHMLMDCWOK 849
DB 793 ASDVWSYGIYVMEVMSYGERPYWDMGNQDVINAIEQDYLRLPPMDCPALHMLMDCWVR 852
QY 850 DRNHRPKFGIYVNTLDKMTNPNLSKAMAPLSGGINLPLDRTIPDYTSFNTVDEWLEAI 909
DB 853 DRNLRPKFAGIYVNTLDKLRNAASLKVIASQVGSQPLDRLTPDYTIPTFTVGDWLDAL 912
QY 910 KMGYKESFANAGTSPDVVSQMMEDILRVGVTLAGHQKILNSIQVNRQAQNIQSYVE 969
DB 913 KMGYKENVNAGFASFDLVAQMTAEDLLRIGVTLAGHQKILSSIQDMRLQWNLPLVQ 972

QY 970 V 970
DB 973 V 973

RESULT 11
US-08-162-809-14
Sequence 14, Application US/08162809
Patent No. 5457048
GENERAL INFORMATION:
APPLICANT: Pasquale, Elena B.
APPLICANT: Sajjadi, Fereydoon G.
TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES,
NUCLEOTIDE SEQUENCES, AND METHODS OF USE
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL AND FLORES
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States of America
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/162,809
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9503
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 988 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-162-809-14

Query Match 71.3%; Score 3649.5; DB 1; Length 988;
Best Local Similarity 70.0%; Pred. No. 2.7e-270;
Matches 683; Conservative 120; Mismatches 144; Indels 29; Gaps 6;

QY 16 TAEGLMWHPPSGWEEVSGYDENNTIRTYQVCNVFESSQNNWLRTRKFIIRRGARHIVE 75
DB 21 TSELAWTHPTGWEVSGYDEAMNPIRTYQVCNVREANQNNWLRTRKFIQRDYQRYVE 80
QY 76 MKFSVRDCSSITPSVPGSKETFNLYYEADFDSDATKTPNNWNPWVKVDTIAADESFQ 135
DB 81 LKFTVRDCNSIPNIPGSKETFNLYYEADFDSDATKTPNNWNPWVKVDTIAADESFQ 140
QY 136 VDLGRVWKINTEVRSFGVSRSGFYLAFOYGGCMLIAVRFYKRCPRIIQNGAIFQE 195
DB 141 LESG----RVNTKVRSFGPLSKNGFYLAFOYGGCMLISVRAFYKCSNTIAGFAIFPE 196
QY 196 TILSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLVPIGRCMCKAGFEAVENGTV 255
DB 197 TLTGAEPSTLVATGCTCPINAVEVSVPLKLYCNGDGWLVPIGRCMCKAGFEAVENGTV 256
QY 256 RCPGSGTKANOGDEACTHCPINSRTTSEGATNCVRNGYRADLDPLDMPTTIPSAPO 315
DB 257 QACGPGTFKSKQGEPCPCPNSTTAGAATVCTCRSGFFRADADPADSACTSVPSAPR 316
QY 316 AVISSVNETSLMLETWPPRDSGGREDLVNIIKSCGSGRGACTRCGDNVQVAPROL--- 372
DB 317 SVISNVNETSLVLEWSEPDAGGRDLDLLYNVICKSVERRLCSCDDNVFVPRQLGT 376

Search completed: July 20, 2004, 10:18:33
Job time : 27 secs

Black Sea U.S. PTO